EPA Jacket 71297-10 Vol.1

DATA PACKAGE BEAN SHEET

Date: 20-Jul-2016 Page 1 of 2

Decision #: 475852

DP #: (434790)

NON PRIA

Parent DP #:

Submission #: 931336

E-Sub #:

* * * Registration Information * * * Registration: 71297-10 - SMARTFRESH PROTABS Company: 71297 - AGROFRESH INC. Risk Manager: RM 91 - Andrew Bryceland - (703) 305-6928 Room# PY1 S-8958 Risk Manager Reviewer: Jay Pfeifer JPFEIFER Sent Date: 21-Feb-2013 PRIA Due Date: 09-Jun-2013 Edited Due Date: Type of Registration: Product Registration - Section 3 Action Desc: (575) CONDITIONAL REGISTRATION FOLLOW-UP; DATA REQUIRED; REQUIRES SCIENCE Ingredients: 224459, 1-Methylcyclopropene(2%) * * * Data Package Information * * * Expedite: Yes No Date Sent: 20-Jul-2016 Due Back: DP Ingredient: 224459, 1-Methylcyclopropene DP Title: SS & CC CSF Included: Yes No Label Included: Yes No Parent DP #: Assigned To Date In **Date Out** Organization: BPPD / BPB Last Possible Science Due Date: 31-Mar-2013 Team Name: RM 91 Science Due Date: Reviewer Name: Sub Data Package Due Date:

* * * Studies Sent for Review * * *

Printed on Page 2

* * * Additional Data Package for this Decision * * *

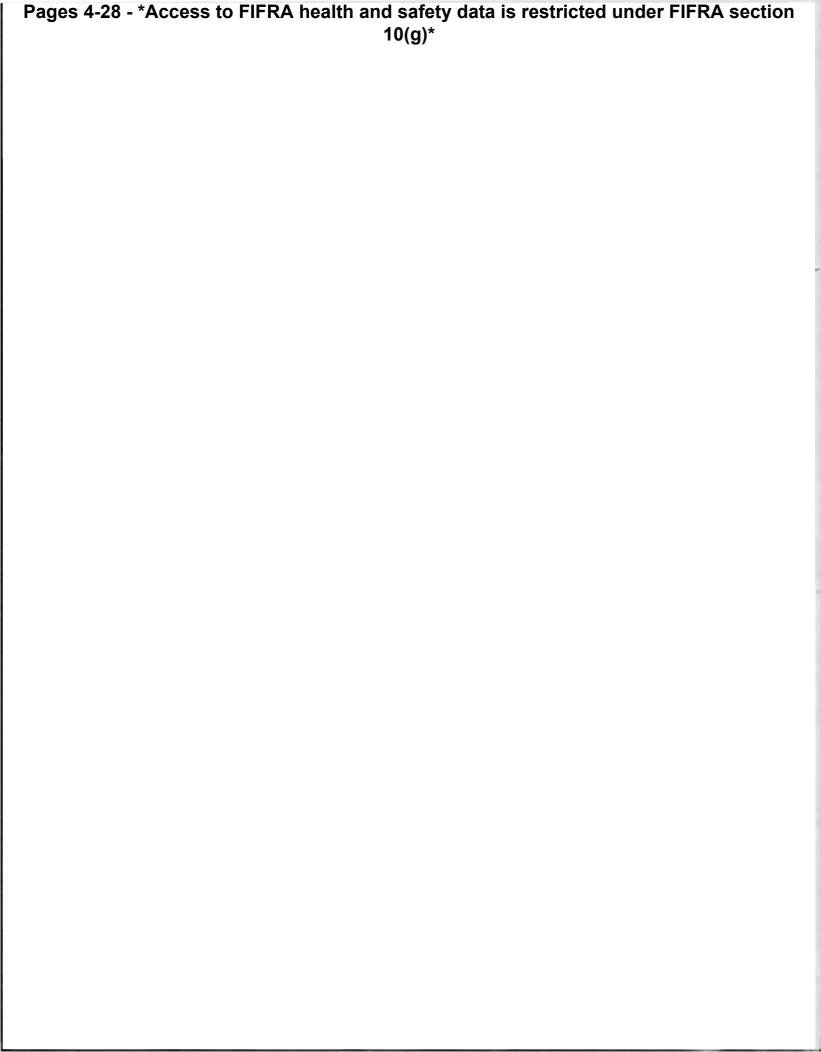
No Additional Data Packages

* * * Data Package Instructions * * *

Please expedite

Contractor Name:

DP#: (434790)	* * * Studies Sent for Review	***	Decision#: (475852)
49061101	Kurilla, K. (2013) Storage Stability and Corrosion Characteristics of AF-777 1-Methylcyclopropene (Yellow) Formulation (Vector Yellow VEC298-2011 Lot 1): Final Report. Project Number: AF/P/11/32, AF/13/005. Unpublished study prepared by Agrofresh, Inc. 25p.	830.6317/Storage stability	Pass (07-Apr-2014)
49061101	Kurilla, K. (2013) Storage Stability and Corrosion Characteristics of AF-777 1-Methylcyclopropene (Yellow) Formulation (Vector Yellow VEC298-2011 Lot 1): Final Report. Project Number: AF/P/11/32, AF/13/005. Unpublished study prepared by Agrofresh, Inc. 25p.	830.6320/Corrosion characteristics	Pass (07-Apr-2014)



PROCESSING REQUEST

Reg # 71297-10	Decision # 509528
Description: amended phone	numbers and instructions
in bust and box more	directions for use and
following paragraph	numbers and instructions directions for use and
Electronic Label & Letter	Non Electronic
(see PPLS):	Canning required:
Dated: 19 JAN 2014	□ Dated:
Only one label ty	pe should be selected
Other Materials Sent (see	jacket):
☐ New CSF(s) Dated:	
Other:	
and clipped together, NOT STAPLED. The materials to staff in the Information Servi	e, please file materials in a new jacket and
Reviewer: Copy KENDRUK	
Division: BPPD	
Phone: 703 347 0468	Date: 19 JAN 2016



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

January 19, 2016

Dr. Ann Beaulieu Director, Regulatory Affairs AgroFresh, Inc. 400 Arcola Road, PO Box 7000 Collegeville, PA 19426

Subject:

Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – amended phone numbers and instructions in first aid box, move directions for use and following

paragraph

Product Name: SmartFresh ProTabs EPA Registration Number: 71297-10

Application Date: 18 September 2015

OPP Decision Number: 509528

Dear Dr. Beaulieu:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration Page 2 of 2

EPA Reg. No. 71297-10 OPP Decision No. 509528

process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cody Kendrick of my team by phone at (703) 347-0468 or via email at kendrick.cody@epa.gov.

Sincerely,

Andrew Bryceland, Team Leader Biochemical Pesticides Branch

andrew . Engelow

Biopesticides and Pollution

Prevention Division (7511P)

Office of Pesticide Programs

Enclosure

MASTER LABEL

SmartFreshTM ProTabs

For Commercial Use for the treatment of apples, melons, tomatoes, pears, avocados, mangoes*, papayas*, kiwifruit, peaches, nectarines, plums, apricots, plumcots, asian pears, bananas, broccoli, and persimmons.

ACCEPTED

01/19/2016

Under the Federal Insecticide, Fungicide and Rodenboide Act as amended, for the pesticide registered under EPA Reg. No. — 100—100

71297-10

(*not for use on this crop in the state of California)

SUBLABEL A: Yellow Tablets

SUBLABEL B: Pink Tablets

ACTIVE INGREDIENT:

1-Methylcyclopropene 2.0%
OTHER INGREDIENTS 98.0%
Total: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured by: AgroFresh Inc. 400 Arcola Road PO Box 7000 Collegeville, PA 19426 1-866-206-1001

EPA Reg. No. 71297- 10 EPA Est. No. 707-WA-001 <FRONT PANEL>

<Use one of two statements below> Use only with 1L ProPack Use only with 4L ProPack

SmartFreshTM ProTabs

BEFORE USING THIS PRODUCT,

READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

Net Contents:

Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams
1	0.15	4.2	11	1.6	46.2	61	9.0	256	71	10.5	298
2	0.30	8.4	12	1.8	50.4	62	9.2	260	72	10.7	302
3	0.44	12.6	13	1.9	54.6	63	9.3	265	73	10.8	307
4	0.59	16.8	14	2.1	58.8	64	9.5	269	74	11.0	311
5	0.74	21	15	2.2	63	65	9.6	273	75	11.1	315
6	0.89	25.2	16	2.4	67.2	66	9.8	277	76	11.3	319
7	1.0	29.4	17	2.5	71.4	67	9.9	281	77	11.4	323
8	1.2	33.6	18	2.7	75.6	68	10.1	286	78	11.6	328
9	1.3	37.8	19	2.8	79.8	69	10.2	290	79	11.7	332
10	1.5	42	20	3.0	84	70	10.4	294	80	11.9	336
-	_	ontain 1-20			package	Each pag	_	contains 16	e than 60 ye 0 ProActive		

<Net Contents on package>

<Batch No. on package> 110025/20150037

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

<Bubbles Background ; SmartFresh logo> Made

in U.S.A.

AgroFresh Inc.

400 Arcola Road, PO Box 7000

Collegeville, PA. USA 19426

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

FIRST AID						
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. 					
If on skin or clothing	 X Take off contaminated clothing. X Rinse skin immediately with plenty of water for 15- 20 minutes. X Call a poison control center or doctor for treatment advice 					

<SUBLABEL A: Yellow Tablets>

If in eyes	x Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	x Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye
	X Call a poison control center or doctor for treatment advice.
If swallowed	x Call a poison control center or doctor immediately for treatment advice.
	X Have person sip a glass of water if able to swallow.
	X Do not induce vomiting unless told to do so by the poison control center or doctor.
	X Do not give anything by mouth to an unconscious person.
	POISON CONTROL CENTER

POISON CONTROL CENTER 1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear: x Long-sleeved shirt and long pants x Shoes plus socks x Chemical-resistant gloves x Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is: x Long-sleeved shirt and long pants

x Chemical-resistant gloves made of any waterproof material x Shoes plus socks x Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

x Maintaining firmness x
Maintaining titratable acidity
x Preventing superficial scald and soft scald on apples x
Reducing internal ethylene production x Protection
from external sources of ethylene
x Reducing respiration x Delaying ripening and senescence x
Reducing incidence of peel greasiness in apples x Reducing
incidence of core flush and mealiness in apples x Reducing
chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55qF, 13qC) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fruits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions.

Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

<u>Apples</u>: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

<u>Avocados</u>: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching Color Stage 4.

Broccoli: Apply SmartFresh as soon after harvest as possible.

<u>Kiwifruit</u>: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

<u>Persimmons</u>: Apply SmartFresh as soon after harvest as possible.

<u>Tomatoes</u>: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

<u>Pears</u>, <u>Asian pears</u>: Apply SmartFresh as soon after harvest as possible.

<u>Peaches, Nectarines, Plums, Plumcots, and Apricots:</u> Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. There are two sizes of the release vessel, called SmartFresh ProPack. The medium size contains one (1) liter of solution; the large size contains four (4) liters of solution. When the entire contents of a tablet package are added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Select the appropriate number of SmartFresh ProTabs and size of ProPacks

<SUBLABEL A: Yellow Tablets>

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 40 feet long x 30 feet wide, the treatment volume would be $20 \times 40 \times 30 = 24,000$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Example:
 - x To treat 24,000 ft³ space for apples, divide 24,000 by 1350 and use seventeen (17) yellow ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Сгор	Rate One YELLOW ProTab treats
Apples, Asian Pear, Avocado, Broccoli	1350 ft ³ - 1800 ft ³
Pear	2100 ft ^{3 -} 4400 ft ³
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	2650 ft ^{3 -} 3000 ft ³
Banana	1350 ft ³ – 5300 ft ³

c.) Select the appropriate size and number of SmartFresh ProPacks. For best results, for medium size spaces, use the yellow ProTabs and the medium (1 liter) ProPack. No more than 20 yellow ProTabs per medium ProPack. For larger spaces that require more than 60 yellow SmartFresh ProTabs use the large (4 liter) SmartFresh ProPack. No more than 80 yellow ProTabs per large ProPack.

MEDIUM (1 li ProPacks	iter)	LARGE (4 liter)	ProPacks
Number	Number	Number	Number
YELLOW ProTabs	ProPacks	YELLOW ProTabs	ProPacks
1-20	1	61-80	1

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluate of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

x All room/trailer/container drain holes are plugged x There are no holes in the walls, ceiling, or floor x All vents to outside air are closed

<SUBLABEL A: Yellow Tablets>

x When viewed from a dark interior, no outside light is visible

x Door seals are in EXCELLENT condition

No

missing rubber

No large cracks

No plastic slat

doors No side doors x Scrubbers and/or ozone generators are

off

Step 3: Fill the treatment space with the fruit or vegetables to be treated

Step 4: Start the application to release SmartFresh active ingredient

- a) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
- b) Remove the tear strip from the SmartFresh ProPack taking care not to spill the solution.
- c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the solution in the corresponding ProPack.
- d) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
- e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the SmartFresh ProTabs to the solution.
- f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
- h) For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

<FRONT PAGE OF BOOKLET>

Easy Preparation · Simple Instructions

SmartFreshTM ProTabs

OPEN

Protects harvested fruit and vegetables from the various effects of ethylene.





ACTIVE INGREDIENT:

1-Methylcyclopropene 2.0% <u>OTHER INGREDIENTS</u>

98.0%

Total:

Keep Out Of Reach Of Children

100.0%

CAUTION

See Inside for First Aid Statement

EPA REGISTRATION NO. 71297-10 EPA EST. NO. 707-WA-001

AgroFresh Inc. 400 Arcola Road, PO Box 7000 Collegeville, PA 19426

110026/20150037

Quick Guide

- 1. Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2. Check labels to confirm that the number of SmartFresh ProTabs in the tablet package and the size of the SmartFresh ProPack correspond to the size of the room. Match the color code of the tablet package with that of the ProPack.





or

- 3. Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4. Set the ProPack on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the ProTabs package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.







ADD.



GO.

- 5. Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6. After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7. Remove the used ProPack and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8. Store treated fruit according to industry best practices.

See inside for additional precautionary statements.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.

To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

SmartFresh is a registered trademark of AgroFresh, Inc. U.S. Patents 5,518,988, 6,017,849 and 6,762,153

AgroFresh Inc.

<SUBLABEL A: Yellow Tablets> 400 Arcola Road, PO Box 7000, Collegeville, PA 19426 1-866-206-1001 <FRONT PANEL>

Use only with 200mL ProPack

SmartFreshTM ProTabs

BEFORE USING THIS PRODUCT, READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

Net Contents:

Pin k Ta bs	Ounc es	Gra ms	Pin k Ta bs	Ounc es	Gra ms	Pin k Ta bs	Ounc es	Gra ms	Pin k Ta bs	Ounc es	Gra ms	Pin k Ta bs	Ounc es	Gra ms
1	0.03	0.84	6	0.18	5.0	11	0.33	9.2	16	0.47	13.4	21	0.62	17.6
2	0.06	1.6	7	0.21	5.9	12	0.36	10.1	17	0.50	14.3	22	0.65	18.5
3	0.09	2.5	8	0.24	6.7	13	0.39	10.9	18	0.53	15.1	23	0.68	19.3
4	0.12	3.4	9	0.27	7.6	14	0.41	11.8	19	0.56	16.0	24	0.71	20.2
5	0.15	4.2	10	0.30	8.4	15	0.44	12.6	20	0.59	16.8	25	0.74	21.0

Each package also contains 8 ProActivators – 0.48 ounces (12.8 grams).

<Net Contents on package>

<Batch No. on package> 110025/20150062

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

<Bubbles Background</p>
; SmartFresh logo> Made

in U.S.A.

AgroFresh Inc.

400 Arcola Road, PO Box 7000 Collegeville,

PA. USA 19426 Before using this product,

read the entire Precautionary Statements,

Conditions of Sale and

Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

	FIRST AID
If inhaled	X Move person to fresh air.
	X If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

	X Call a poison control center or doctor for treatment advice.
If on skin or clothing	 X Take off contaminated clothing. X Rinse skin immediately with plenty of water for 15-20 minutes. X Call a poison control center or doctor for treatment advice
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye Call a poison control center or doctor for treatment advice.
If swallowed	 X Call a poison control center or doctor immediately for treatment advice. X Have person sip a glass of water if able to swallow. X Do not induce vomiting unless told to do so by the poison control center or doctor. X Do not give anything by mouth to an unconscious person.

POISON CONTROL CENTER 1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear: x Long-sleeved shirt and long pants x Shoes plus socks x Chemical-resistant gloves x Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is: x Long-sleeved shirt and long pants

x Chemical-resistant gloves made of any waterproof material x Shoes plus socks x Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

Maintaining

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

Maintaining titratable acidity

x Preventing superficial scald and soft scald on apples x

Reducing internal ethylene production x Protection
from external sources of ethylene

x Reducing respiration x Delaying ripening and senescence x

Reducing incidence of peel greasiness in apples x Reducing

firmness

Reducing incidence of peel greasiness in apples x Reducing incidence of core flush and mealiness in apples x Reducing chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55qF, 13qC) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fruits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions.

Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

<u>Apples</u>: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

<u>Avocados</u>: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching Color Stage 4.

Broccoli: Apply SmartFresh as soon after harvest as possible.

<u>Kiwifruit</u>: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

Persimmons: Apply SmartFresh as soon after harvest as possible.

<u>Tomatoes</u>: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

<u>Pears, Asian pears</u>: Apply SmartFresh as soon after harvest as possible.

<u>Peaches, Nectarines, Plums, Plumcots, and Apricots:</u> Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. The release vessel is called SmartFresh ProPack. The small size contains 200 mL of solution. When the entire contents of a

tablet package are added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Select the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 15 feet long x 15 feet wide, the treatment volume would be $20 \times 15 \times 15 = 4,500$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Example:
 - x To treat a 4,500 ft³ space for tomatoes, divide 4,500 by 530 and use eight (8) pink

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Crop	Rate One PINK ProTab treats
Apples, Asian Pear, Avocado, Broccoli	270 ft ³ - 360 ft ³
Pear	420 ft ³ - 880 ft ³
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	530 ft ³ - 600 ft ³
Banana	270 ft ³ - 1060 ft ³

c.) Select the appropriate number of SmartFresh ProPacks. For best results with small spaces, use the pink ProTabs and the small (200 mL) ProPack. No more than 25 pink ProTabs per ProPack. Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluate of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

x All room/trailer/container drain holes are plugged

x There are no holes in the walls, ceiling, or floor x

All vents to outside air are closed

x When viewed from a dark interior, no outside light is visible

x Door seals are in EXCELLENT condition

No missing rubber No large cracks

No plastic slat doors No side doors x

Scrubbers and/or ozone generators are off

Step 3: Fill the treatment space with the fruit or vegetables to be treated

Step 4: Start the application to release SmartFresh active ingredient

- i) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
- i) Remove the tear strip from the SmartFresh ProPack taking care not to spill the solution.
- k) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the solution in the corresponding ProPack.
- l) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
- m) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the SmartFresh ProTabs to the solution.
- n) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
- o) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
- p) For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

<FRONT PAGE OF BOOKLET>

Easy Preparation · Simple Instructions

SmartFreshTM ProTabs

OPEN

Protects harvested fruit and vegetables from the various effects of ethylene.







ACTIVE INGREDIENT:

1-Methylcyclopropene 2.0% OTHER INGREDIENTS

98.0% Total:

100.0%

Keep Out Of Reach Of Children

CAUTION

See Inside for First Aid Statement

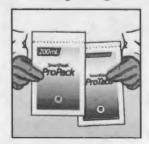
EPA REGISTRATION NO. 71297-10 EPA EST. NO. 707-WA-001 AgroFresh Inc. 400 Arcola Road, PO Box 7000

Collegeville, PA. USA 19426

110025/201500XX

Quick Guide

- 1. Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2. Check labels to confirm that the number of SmartFresh ProTabs in the tablet package and the size of the SmartFresh ProPack correspond to the size of the room. Match the color code of the tablet package with that of the ProPack.



- 3. Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4. Set the ProPack on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the ProTabs package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.







OPEN.

ADD.

GO.

- 5. Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6. After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7. Remove the used ProPack and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8. Store treated fruit according to industry best practices.

See inside for additional precautionary statements.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and

User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.

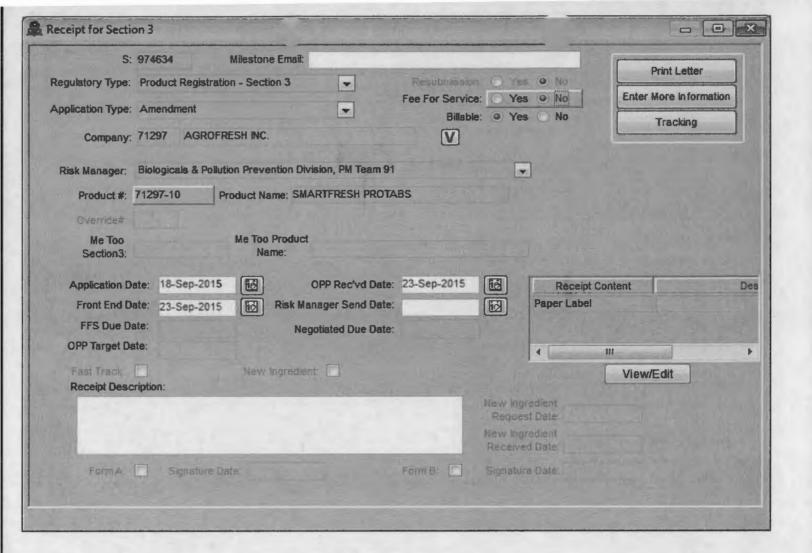
To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

SmartFresh is a registered trademark of AgroFresh, Inc. U.S. Patents 5,518,988, 6,017,849 and 6,762,153

AgroFresh Inc.

400 Arcola Road, PO Box 7000, Collegeville, PA 19426 1-866-206-1001





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

September 24, 2015

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

MS. ANN BEAULIEU AGROFRESH INC. 400 ARCOLA ROAD, PO Box 7000 COLLEGEVILLE, PA 19426-

PRODUCT NAME: SMARTFRESH TECHNOLOGY

COMPANY NAME: AGROFRESH INC.

EPA FILE SYMBOL: 71297-2, 71297-3, 71297-4, 71297-5, 71297-6, 71297-10, 71297-11,

71297-12, 71297-13, 71297-14, 71297-15, 71297-16 and 71297-17

EPA RECEIPT DATE: 09/23/15

SUBJECT: RECEIPT OF AMENDMENTS

DEAR REGISTRANT:

The Office of Pesticide Programs has received your applications for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the applications appears to qualify for fast track review. The packages will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Biologicals & Pollution Prevention Division, PM Team 91, at (703) 305-6928.

Sincerely,

2/ The

Front End Processing Staff

Information Services Branch

Information Technology & Resources Management Division



AgroFresh
400 Arcola Road, PO Box 7000, Collegeville PA 19426 Tel: +1 610-244-6630 Fax: + 610-244-6661

www.agrofresh.com

September 22, 2015

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Biopesticides and Pollution Prevention Division
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention: Linda Hollis, Chief, Biochemical Pesticides Branch, BPPD

Subject: Amendments to thirteen (13) labels - Change to First Aid Box

EPA Registration Numbers 71297-2,3,4,5,6,10,11,12,13,14,15,16,17

Active Ingredient = 1-Methylcyclopropene (1-MCP)

AgroFresh, Inc. is submitting amendments for thirteen approved materials. The amendment in each label is a modification of the phone numbers and instructions in the first aid box. The language is based on guidance from the US EPA Label Manual, Chapter 7, Section F. No supporting data is required and these amendments can therefore be considered fast track.

EPA Registration Number	Registered EP or MUP
71297-2	SmartFresh
71297-3	SmartFresh SmartTabs
71297-4	Manufacturing-Use Product – SF
71297-5	EthylBloc Sachet
71297-6	AFxRD-038
71297-10	SmartFresh ProTabs
71297-11	AF-2005
71297-12	Manufacturing-Use Product – EB - 0.14
71297-13	Manufacturing-Use Product – SF - 3.3
71297-14	Manufacturing-Use Product - EB014
71297-15	Manufacturing-Use Product - ST - 0.63
71297-16	Manufacturing-Use Product – PT – 2.0
71297-17	AF-701

The other changes shown in red, name, address and company phone number have been made per PR Notice 98-10, Section IV.D, non-notification.

For each of these registered labels, enclosed please find a completed application form (EPA Form 8570-1) and a proposed revised label with the changes shown in red (5 copies).

Please contact me if you have any questions regarding this submission. I can be reached by phone at 610-244-6630 or email at abeaulieu@agrofresh.com. Thank you.

Sincerely,

Ann Beaulieu, Ph.D.

Director, Regulatory Affairs

Attachments



Please read instructions on revers	se before comple	m		Form A	Approv	ve MB No. 2	070-0060.	Approval e	expires 05-31-98	
						Registrati	on Of	P Identif	ier Number	
.≏ CDA		States	_	Ī		Amondma				
Environmental Protection Agency					X —	Amendment				
	Washingtor	n, DC 20460				Other			_	
	Appl	ication for	Pesticide	e - Sec	tio	n I			_	
Company/Product Number			2. EPA Pro	oduct Ma	nage	er	Proposed Classification			
AgroFresh, Inc. / 71297-10			Linda Hollis	S						
Company/Product (Name)			PM#	PM# None Restric						
AgroFresh / SmartFresh™ ProTabs							X	110	riconicted	
5. Name and Address of App	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)									
AgroFresh Inc.			(b)(l), my p	(b)(l), my product is similar or identical in composition and labeling						
400 Arcola Road, POB 7000 Collegeville, PA 19426			EPA Reg. I	EPA Reg. No.						
Odliegoville, 177 13420	[] Check if this is a ne	ew address	Product Na	ıme						
Section - II										
					d labels in response to terminate dated					
				Too" Ap						
Notification - Explain bele	ow.		Oth	er - Expla	in bel	ow.				
Explanation: Use additional Amended phone number and			and Section	II.)						
		Sec	ction - III							
1. Material This Product Wil										
Child-Resistant Packaging Yes*	Unit Packaging Yes	V	Water Soluble Packaging Yes			2. Type of C	ontainer Metal			
X No			X No				Plastic			
	If "Yes"	No. per if	"Yes"	No. p	or		Glass			
* Certification must	Unit Packaging wgt.		ackage wgt	conta			Paper			
be submitted	Cint i donaging trgi		uonago ng			l ———	Other (Spe	ecify)		
be subinitied							Blister Pac			
3. Location of Net Contents Ir	nformation	4. Size(s) R	etail Containe	er	5.	Location of L	abel Direc	tions		
			0.03 – 11.9 ounces			X On Lab	al .			
Labor X con	0.00 11.0	0.03 - 11.9 ounces			On Labeling accompanying product					
6. Manner in Which Label is Affixed to Product Lithograph Other										
X Paper glued										
	Ste	Stenciled			••••					
Section - IV							• • • •			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)										
Name Title Telephone No. (Include Årea Code Ann Beaulieu Director, Regulatory Affairs 610-244-6630 60-244-6630						Code)				
Certification						6. Date Application				

A. Typed NameAnn Beaulieu5. DateSeptember 18, 2015

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

2. Signature

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.

Director, Regulatory Affairs

I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

White - EPA File Copy (original)

Yellow - Applicant Copy

Received

Material to be added to an e-Jacket/Jacket

		Reg. No	
	Plac	acement within the e-Jacket/jacket:	
		Default: (chronological, top/newest)	
		Description: (PDF page number, i.e., 45")	"before page
-			

71797 11

Document: Final Printed label

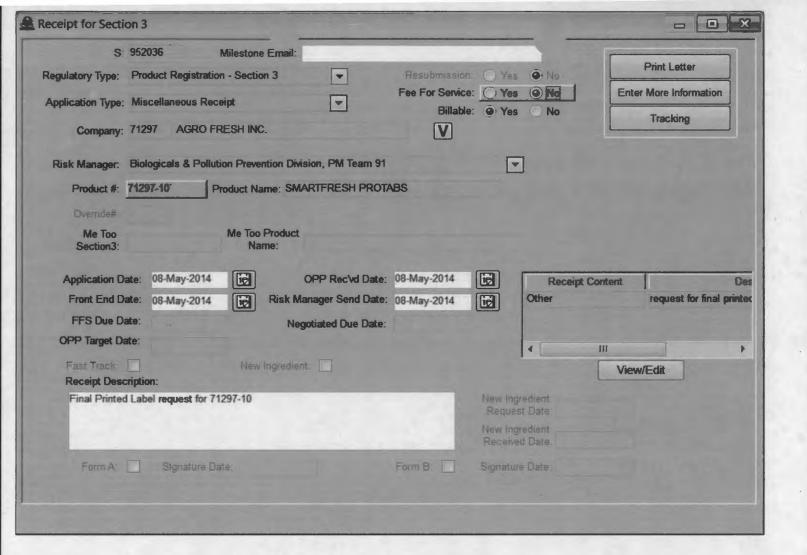
3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's name: Sylvester George

Phone: 603-0688 Division: BPPD

Date: 6/10/2014

Created August 19, 2013





AgroFresh 400 Arcola Road PO Box 7000 Collegeville PA 19426 Tel: 1 610 244 6634 Fax: 1 610 244 6625 www.agrofresh.com

5 May 2014

Document Processing Desk
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Biopesticides and Pollution Prevention Division
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention:

Linda Hollis, Chief, Biochemical Pesticides Branch, BPPD

Subject:

Final Printed Label with Alternate Brand Name

EPA Registration Number 71297-10

Product: RipeLock Tabs 2.0

Active Ingredient = 1-methylcyclopropene

Enclosed are three (3) copies of the final printed label for 71297-10 using the alternate brand name **RipeLock**TM **Tabs 2.0**. The use instructions include the alternate brand name for the solution, **RipeLock**TM **Solution**.

If you have any questions, please contact me at 610-244-6630 or <u>abeaulieu@agrofresh.com</u>. Thank you.

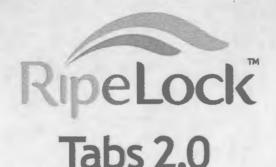
Sincerely,

Ann Beaulieu, Ph.D.

Director, Regulatory Affairs

Am Seaulier

Use only with 200mL RipeLock Solution



BEFORE USING THIS PRODUCT,
READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

NET CONTENTS: 20 RIPELOCK 2.0 TABS/0.5902 8 PROACTIVATOR TABS MATERIAL: 10000001

BATCH: YY00BAJ463

MFG DATE: 16 March 2014

MATERIAL: 10000001 BATCH: YY00BAJ463





UIALIR REMERINA





EPA Reg. No. 71297-10

EPA Est. No. 707-WA-001

Made in U.S.A.

AgroFresh Inc. • A subsidiary of Rohm and Heas company • Philadelphia, PA USA 19106

110057/20130053

file: 63704_label_art folder: 63704_agrofresh_20130053 colors: cmylk, 130, 376, 348 dp proofed____ created by: customer alt: 10-31-13 ek size: 3.75" (w) x 6.5" (h) Complies with
EPA Accepted Labeling

Date: 2/26/2013

Reviewer: Squester George

63705_book art_RL_013RipeLockTabs2.0_200mL_LabelBooklet 12/12/13 3:16



Easy Preparation · Simple Instructions



Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

OGH:..... 100.09

KEEP OUT OF REACH OF CHILDREN CAUTION

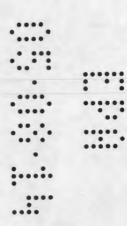
See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055

file: 63705_book art folder: 63705_Agrofresh_110057 colors: cmylt, 376 (cover processed to match: 130, 348, 376) Lidp proofed_____ created: by customer alt: 12-11-13 bm size" 3.5"(w) x 5.5"(h)



QUICK GUIDE

- Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2) Check labels to confirm that the number of RipeLock Tabs 2.0 in the tablet package and the size of the RipeLock Solution container correspond to the size of the room.
- **3)** Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4) Set the RipeLock Solution on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the RipeLock Tabs 2.0 package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.
- 5) Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6) After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7) Remove the used RipeLock Solution and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8) Store treated fruit according to industry best practices.

See inside for additional precautionary statements.





Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and

unused within thirty (30) days of purchase to the place of purchase.

FIRSTAID

If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.	
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.	
Ifswallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.	
HOTLINE: 1-215-592-3000		

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day,

seven (7) days a week.

2







PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- · Long-sleeved shirt and long pants
- Shoes plus socks
- · Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.











PRODUCTINFORMATION

RipeLock™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit. By counteracting ethylene, RipeLock provides many benefits to fruit during transport and storage including:

- Maintaining firmness
- Reducing internal ethylene production
- · Protection from external sources of ethylene
- Reducing respiration
- · Delaying ripening and senescence

RipeLock is used, prior to shipment or just prior to sale. RipeLock is effective under warm (above 55°F, 13°C) temperature conditions.

Harvested fruit must be exposed to the volatile active ingredient of RipeLock Tabs 2.0 in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce RipeLock effectiveness.



DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit Storage Conditions

RipeLock is compatible with and complementary to both controlled atmosphere and regular air fruit storage conditions. RipeLock must be used in air tight storage areas.









Timing of Application

RipeLock is added to the storage area containing fruit, upon entering storage, during distribution or in transit. After application, fruit not for immediate sale must be stored according to good standard commercial practices. Fruit may benefit from repeat application. It must be emphasized that keeping the fruit at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit.

Bananas: Apply RipeLock after exposure to ethylene and prior to reaching Color Stage 4.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. RipeLock Tabs 2.0 are packaged with the required Activator Tablets in a single tablet package. All of the included activator tablets must be used in a single application. The proprietary solution is ready to use in the RipeLock Solution container. When the entire contents of a tablet package are added to the solution, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both RipeLock Tabs 2.0 and RipeLock Solution available to treat the designated space.



- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 16 feet long x 16 feet wide, the treatment volume would be $20 \times 16 \times 16 = 5,120$ cubic feet.
- b.) Choose the correct number of RipeLock Tabs 2.0 according to the size of the space to be treated. Example:
 - To treat a 5,120 ft3 space for bananas, divide 5,120 by 300 and use seventeen (17) pink RipeLock Tabs 2.0.

Bananas: Use one PINK tablet per 270-1060 cubic feet of treatment area.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

- c.) Select the appropriate number of (200 mL) RipeLock Solution containers. No more than 25 pink Tabs per RipeLock Solution.
 - Do not split the contents of a tablet package. Use the entire contents of one tablet package in one RipeLock Solution container.













STEP 2: Evaluate the Quality of the Treatment Room/Trailer/Container

To be used with RipeLock, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition
 - No missing rubber
- No large cracks
- No plastic slat doors
- No side doors
- Scrubbers and/or ozone generators are off

STEP 3: Fill the treatment space with the fruit to be treated

STEP 4: Start the application to release RipeLock active ingredient

- a) In the treatment space, find a solid surface to place the required RipeLock Solution containers.
- b) Remove the tear strip from the RipeLock Solution taking care not to spill the solution.
- c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the RipeLock Solution.
- d) Repeat with additional RipeLock Solution and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
- e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the RipeLock active Ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the RipeLock Tabs 2.0 to the solution.
- f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours.
- h) For best results, for controlled atmosphere storage containers, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

STEP 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices.









Restrictions

Do not split tablets. Use whole tablets only. Do not smoke during the RipeLock application.

STORAGE AND DISPOSAL

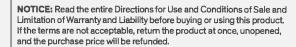
Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

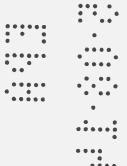
CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY



The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.









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To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

RipeLock™ is a registered trademark of The Dow Chemical Company and its affiliate AgroFresh Inc./Rohm and Haas company

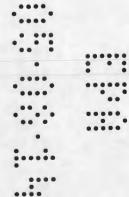
U.S. Patents 5,518,988, 6,017,849 and 6,762,153

AgroFresh

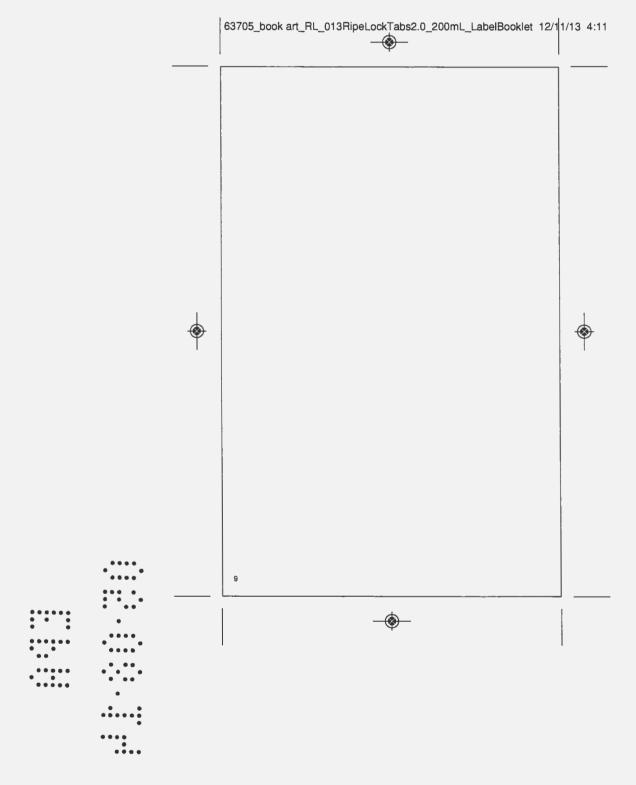
A Fully-Owned Subsidiary of Rohm and Haas company 100 Independence Mall West, Philadelphia, PA 19106 (215) 592-3000

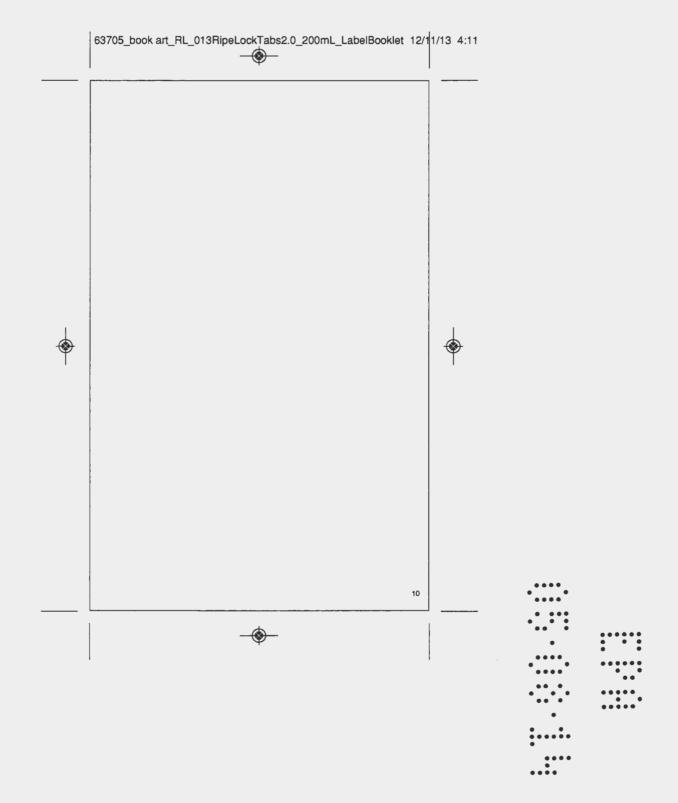


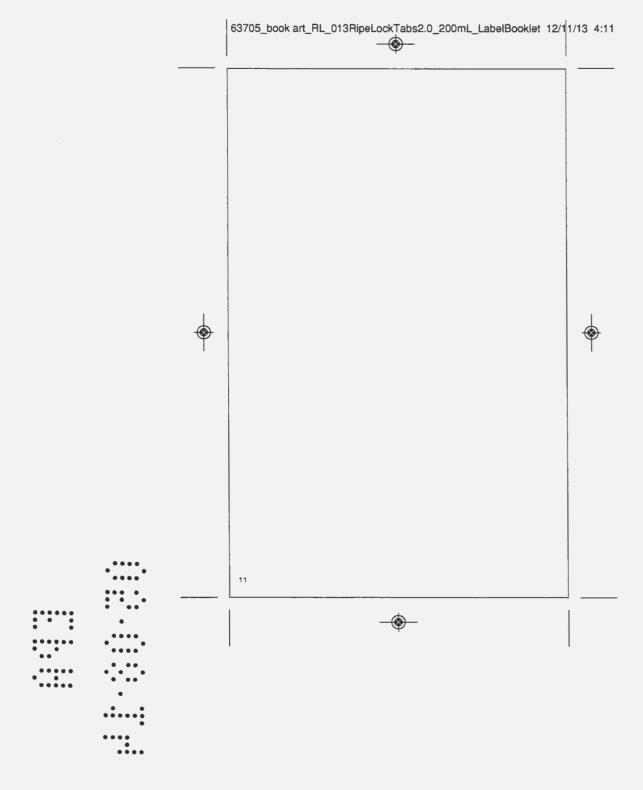
8











Easy Preparation · Simple Instructions



Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

1-Methylcyclopropene...... OTHER INGREDIENTS:.....98.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055

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created: by customer alt: 12-11 bm size: 4.25 w) x 5.5"(h)

Complies with EPA Accepted Labeling

Date: 2/26/2013





AgroFresh Inc.

Agrorresi inc.

A subsidiary of Rohm and Haas Company
Philadelphia, PA. 19106

Tel: (215) 592-3000

Activator Solution:
Active ingredient: citric acid Other ingredients:

CALIFORNIA REGISTRATION NO. 71297-5000?-AA

NOTICE: Before using this product, read the entire Precautionary Statements and Storage and Disposal

KEEP OUT OF REACH OF CHILDREN WARNING

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial

respiration, preferably mouth-to-mouth if possible.
Call a poison control center for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING: Causes substantial but temporary eye injury Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shleid or safety glasses). Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear

- Long-sleeved shirt and long pants
- · Shoes plus socks

before rause.

- Chemical-resistant gloves made of any waterproof material
- · Goggles, face shield or safety glasses

DIRECTIONS FOR USE

For use only in conjunction with RipeLock Tabs 2.0. Refer to Use Directions on RipeLock Tabs 2.0.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or

Pesticide Storage: Store in original container in a cool, dry place.

Pesticide Disposal; Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then

offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NET CONTENTS: 6.8 ounces (200 mL)

110049/20130017

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created by: 09-26-13 jw alt: 10-31-13 ek size: 4.5"(w) x 5.875"(h)





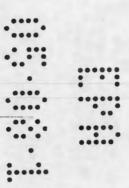




For use only with RipeLock* Tabs 2.0

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Use only with 200mL RipeLock Solution



BEFORE USING THIS PRODUCT, READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

NET CONTENTS: 20 RIPELOCK 2.0 TABS/0.6902 8 PROACTIVATOR TABS

MATERIAL: 10000001 BATCH: YY00BAJ463

MFG DATE: 16 March 2014





MATERIAL: 10000001

BATCH: YYOOBAJ463





EPA Reg. No. 71297-10

EPA Est. No. 707-WA-001

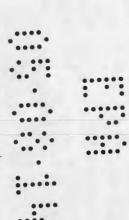
Made in U.S.A.

AgroFresh Inc. • A subsidiary of Rohm and Hass company • Philadelphia, PA USA 19106

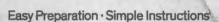
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Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

CAUTION

See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055

file: 63705_book art folder: 63705_Agrofresh_110057 colors: cmylt, 376 (cover processed to match: 138, 348, 376) created: by customer alt: 12-11-13 bm size" 3.5"(w) x 5.5"(h)

QUICK GUIDE

- Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- Check labels to confirm that the number of RipeLock Tabs 2.0 in the tablet package and the size of the RipeLock Solution container correspond to the size of the room.
- Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4) Set the RipeLock Solution on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the RipeLock Tabs 2.0 package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.
- Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6) After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7) Remove the used RipeLock Solution and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8) Store treated fruit according to industry best practices.

See inside for additional precautionary statements.



Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

FIRST AID

If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.	
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.	
ifswallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.	

HOTLINE: 1-215-592-3000

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.







. PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- · Long-sleeved shirt and long pants
- · Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- · Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- · Shoes plus socks
- · Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.











PRODUCTINFORMATION

RipeLock™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit. By counteracting ethylene, RipeLock provides many benefits to fruit during transport and storage including:

- Maintaining firmness
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence

RipeLock is used, prior to shipment or just prior to sale. RipeLock is effective under warm (above 55°F, 13°C) temperature conditions.

Harvested fruit must be exposed to the volatile active ingredient of RipeLock Tabs 2.0 in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trallers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce RipeLock effectiveness.



It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit Storage Conditions

RipeLock is compatible with and complementary to both controlled atmosphere and regular air fruit storage conditions. RipeLock must be used in air tight storage areas.

4







Timing of Application

RipeLock is added to the storage area containing fruit, upon entering storage, during distribution or in transit. After application, fruit not for immediate sale must be stored according to good standard commercial practices. Fruit may benefit from repeat application. It must be emphasized that keeping the fruit at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit.

Bananas: Apply RipeLock after exposure to ethylene and prior to reaching Color Stage 4.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. RipeLock Tabs 2.0 are packaged with the required Activator Tablets in a single tablet package. All of the included activator tablets must be used in a single application. The proprietary solution is ready to use in the RipeLock Solution container. When the entire contents of a tablet package are added to the solution, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both RipeLock Tabs 2.0 and RipeLock Solution available to treat the designated space.

<u>STEP 1:</u> Select the appropriate number of RipeLock Tabs and RipeLock Solution containers

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 16 feet long x 16 feet wide, the treatment volume would be 20 x 16 x 16 = 5,120 cubic feet.
- b.) Choose the correct number of RipeLock Tabs 2.0 according to the size of the space to be treated. Example:
 - To treat a 5,120 ft³ space for bananas, divide 5,120 by 300 and use seventeen (17) pink RipeLock Tabs 2.0.

Bananas: Use one PINK tablet per 270-1060 cubic feet of treatment area.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

c.) Select the appropriate number of (200 mL) RipeLock Solution containers. No more than 25 pink Tabs per RipeLock Solution.

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one RipeLock Solution container.











STEP 2: Evaluate the Quality of the Treatment Room/Trailer/Container

To be used with RipeLock, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition
 - No missing rubber
- No large cracks
- No plastic slat doors
- No side doors
- Scrubbers and/or ozone generators are off

STEP 3: Fill the treatment space with the fruit to be treated

STEP 4: Start the application to release RipeLock active ingredient

- a) In the treatment space, find a solid surface to place the required RipeLock Solution containers.
- b) Remove the tear strip from the RipeLock Solution taking care not to spill the solution.
- c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the RipeLock Solution.
- d) Repeat with additional RipeLock Solution and tablet packages as needed according to the room volume. Be sure to complete all additions within
- e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the RipeLock active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the RipeLock Tabs 2.0 to the solution.
- f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours.
- h) For best results, for controlled atmosphere storage containers, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

STEP 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices.













Restrictions

Do not split tablets. Use whole tablets only.
Do not smoke during the RipeLock application.

STORAGE AND DISPOSAL

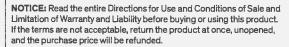
Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY



The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.







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To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

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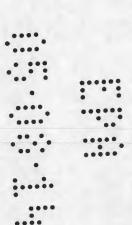
RipeLock™ is a registered trademark of The Dow Chemical Company and its affiliate AgroFresh Inc./Rohm and Haas company

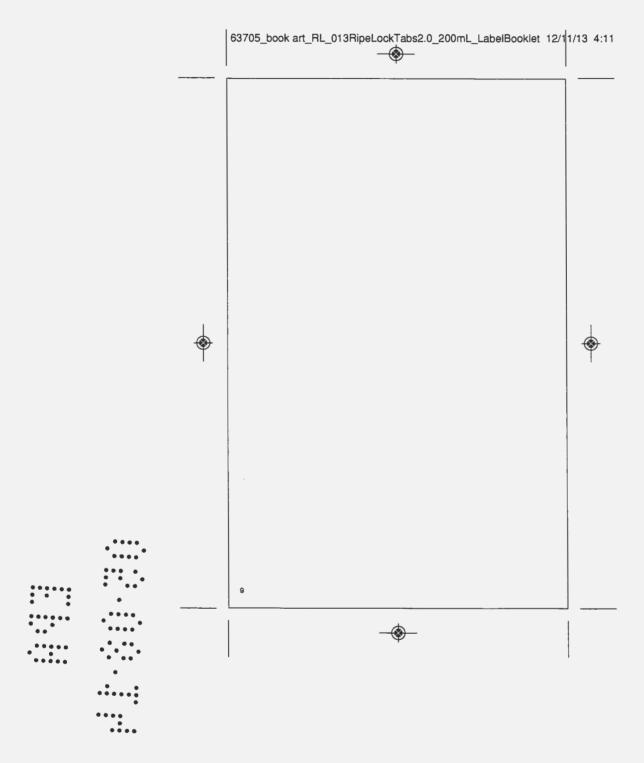
U.S. Patents 5,518,988, 6,017,849 and 6,762,153

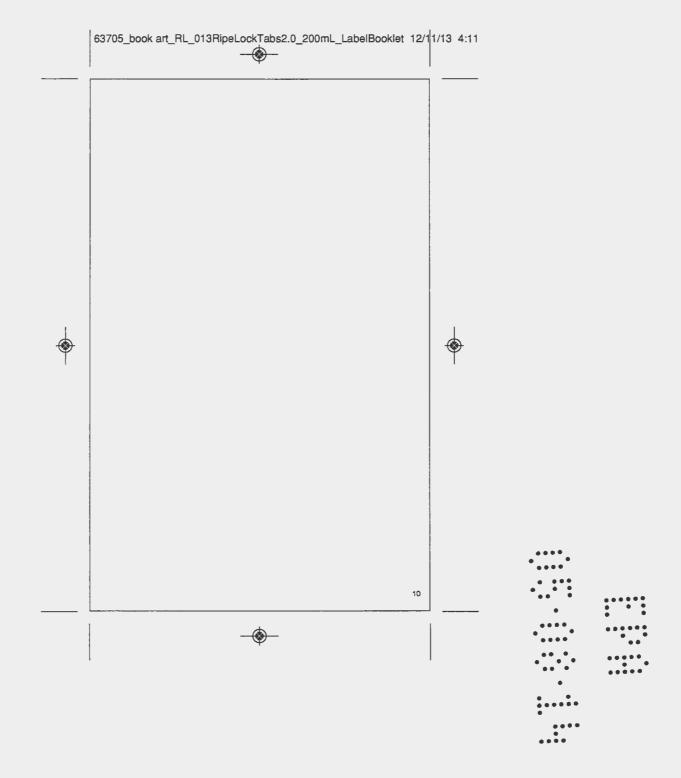
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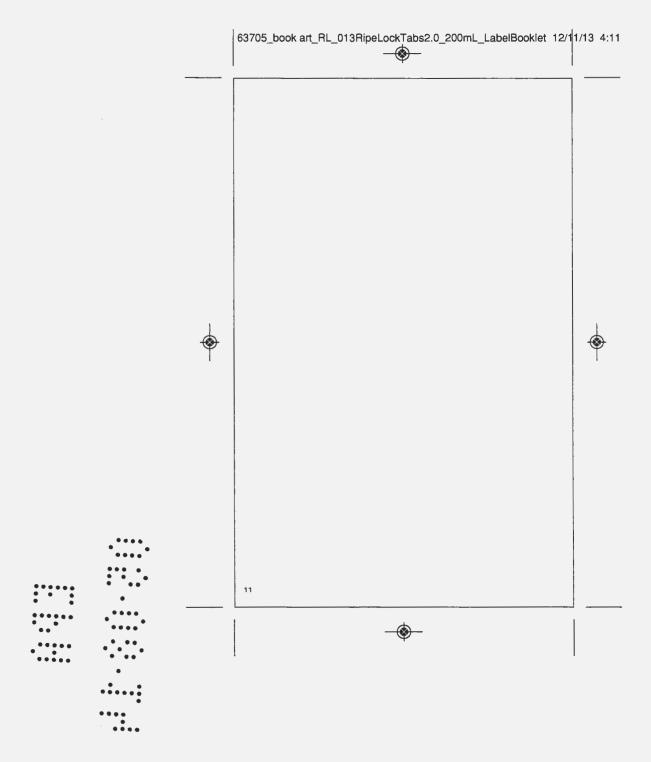


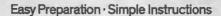
8













Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

1-Methylcyclopropene... OTHER INGREDIENTS:.....98.0%

KEEP OUT OF REACH OF CHILDREN **CAUTION**

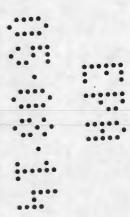
See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055

file: 63706_base art folder: 63706_Agrofresh_110057 colors: cyan, yellow, 130, 348, 376, black ☐ dp proofed______





AgroFresh Inc.

A subsidiary of Rohm and Haas Company Philadelphia, PA. 19106

Tel: (215) 592-3000

Activator Solution:

Active ingredient: citric acid
Other ingredients: 10.0% 100.0%

CALIFORNIA REGISTRATION NO. 71297-5000?-AA

NOTICE: Before using this product, read the entire Precautionary Statements and Storage and Disposal Instructions

KEEP OUT OF REACH OF CHILDREN WARNING

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment

auron skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING: Causes substantial but temporary eye injury Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- · Long-sleeved shirt and long pants
- · Shoes plus socks
- Chemical-resistant gloves made of any waterproof
- · Goggles, face shield or safety glasses

DIRECTIONS FOR USE

For use only in conjunction with RipeLock Tabs 2.0. Refer to Use Directions on RipeLock Tabs 2.0.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning, if burned, stay out of smoke.

NET CONTENTS: 6.8 ounces (200 mL)

110049/20130017

file: 63360_label_art folde:: 63360_Agrofresh_20130017 color: black, PMS 130, PMS 376 dp proofed_____

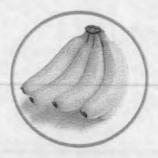


created by: 09-26-13 jw alt: 10-31-13 ek size: 4.5"(w) x 5.875"(h)









For use only with RipeLock[™] Tabs 2.0

110049/20130133

file: 63361_label_art

created by: customer size: 5°(w) x 7"(h)



Use only with 200mL RipeLock" Solution



BEFORE USING THIS PRODUCT,
READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

NET CONTENTS: 20 RIPELOCK 2.0 TABS/0.5902 8 PROACTIVATOR TABS

8 PROACTIVATOR TABS MATERIAL: 10000001

BATCH: YY00BAJ463

MFG DATE: 16 March 2014

MATERIAL: 10000001 BATCH: YY00BAJ463







EPA Reg. No. 71297-10

EPA Est. No. 707-WA-001

Made in U.S.A.

AgroFresh Inc. • A subsidiary of Rohm and Heas company • Philadelphia, PA USA 19106

110057/20130053

file:63704_label_art foider:63704_agrofresh_20130053 colors: cmyk, 130, 376, 348 dp proofed____

created by: customer alt: 10-31-13 ek size: 3.75" (w) x 6.5" (h)



63705_book art_RL_013RipeLockTabs2.0_200mL_LabelBooklet 12/12/13 3:16

Easy Preparation · Simple Instructions



Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

CAUTION

See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055

file: 63705_book art
folder: 63705_Agrofresh_110057
colors: crnyk, 376 (cover processed to match: 19,348, 376)
dp proofed______

created: by customer alt: 12-11-13 bm size" 3.5"(w) x 5.5"(h)





OUICK GUIDE

- Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2) Check labels to confirm that the number of RipeLock Tabs 2.0 in the tablet package and the size of the RipeLock Solution container correspond to the size of the room.
- Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4) Set the RipeLock Solution on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the RipeLock Tabs 2.0 package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.
- 5) Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6) After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7) Remove the used RipeLock Solution and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8) Store treated fruit according to industry best practices.

See inside for additional precautionary statements.





-�

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

ਨੰ. FIRST AID

If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.



Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.







PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- · Long-sleeved shirt and long pants
- · Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

3







PRODUCT INFORMATION

RipeLock™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit. By counteracting ethylene, RipeLock provides many benefits to fruit during transport and storage including:

- Maintaining firmness
- · Reducing internal ethylene production
- · Protection from external sources of ethylene
- · Reducing respiration
- Delaying ripening and senescence

RipeLock is used, prior to shipment or just prior to sale. RipeLock is effective under warm (above 55°F, 13°C) temperature conditions.

Harvested fruit must be exposed to the volatile active ingredient of RipeLock Tabs 2.0 in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce RipeLock effectiveness.



DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit Storage Conditions

RipeLock is compatible with and complementary to both controlled atmosphere and regular air fruit storage conditions. RipeLock must be used in air tight storage areas.



4









Timing of Application

RipeLock is added to the storage area containing fruit, upon entering storage, during distribution or in transit. After application, fruit not for immediate sale must be stored according to good standard commercial practices. Fruit may benefit from repeat application. It must be emphasized that keeping the fruit at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit.

Bananas: Apply RipeLock after exposure to ethylene and prior to reaching Color Stage 4.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. RipeLock Tabs 2.0 are packaged with the required Activator Tablets in a single tablet package. All of the included activator tablets must be used in a single application. The proprietary solution is ready to use in the RipeLock Solution container. When the entire contents of a tablet package are added to the solution, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both RipeLock Tabs 2.0 and RipeLock Solution available to treat the designated space.

STEP 1: Select the appropriate number of RipeLock Tabs and RipeLock Solution containers

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 16 feet long x 16 feet wide, the treatment volume would be $20 \times 16 \times 16 = 5,120$ cubic feet.
- b.) Choose the correct number of RipeLock Tabs 2.0 according to the size of the space to be treated. Example:
 - To treat a 5,120 ft3 space for bananas, divide 5,120 by 300 and use seventeen (17) pink RipeLock Tabs 2.0.

Bananas: Use one PINK tablet per 270-1060 cubic feet of treatment area.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

c.) Select the appropriate number of (200 mL) RipeLock Solution containers. No more than 25 pink Tabs per RipeLock Solution.

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one RipeLock Solution container.











STEP 2: Evaluate the Quality of the Treatment Room/Trailer/Container

To be used with RipeLock, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- · Door seals are in EXCELLENT condition
 - No missing rubber
- No large cracks
- No plastic slat doors
 No side doors
- Scrubbers and/or ozone generators are off

STEP 3: Fill the treatment space with the fruit to be treated

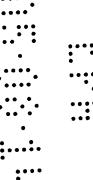
STEP 4: Start the application to release RipeLock active ingredient

- a) In the treatment space, find a solid surface to place the required RipeLock Solution containers.
- b) Remove the tear strip from the RipeLock Solution taking care not to spill the solution.
- c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the RipeLock Solution.
- d) Repeat with additional RipeLock Solution and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
- e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the RipeLock active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the RipeLock Tabs 2.0 to the solution.
- f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours.
- For best results, for controlled atmosphere storage containers, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

STEP 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices.











Restrictions

Do not split tablets. Use whole tablets only. Do not smoke during the RipeLock application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.







63705_book art_RL_013RipeLockTabs2.0_200mL_LabelBooklet 12/11/13 4:11



To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

RipeLock™ is a registered trademark of The Dow Chemical Company and its affiliate AgroFresh Inc./Rohm and Haas company

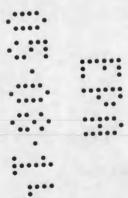
U.S. Patents 5,518,988, 6,017,849 and 6,762,153

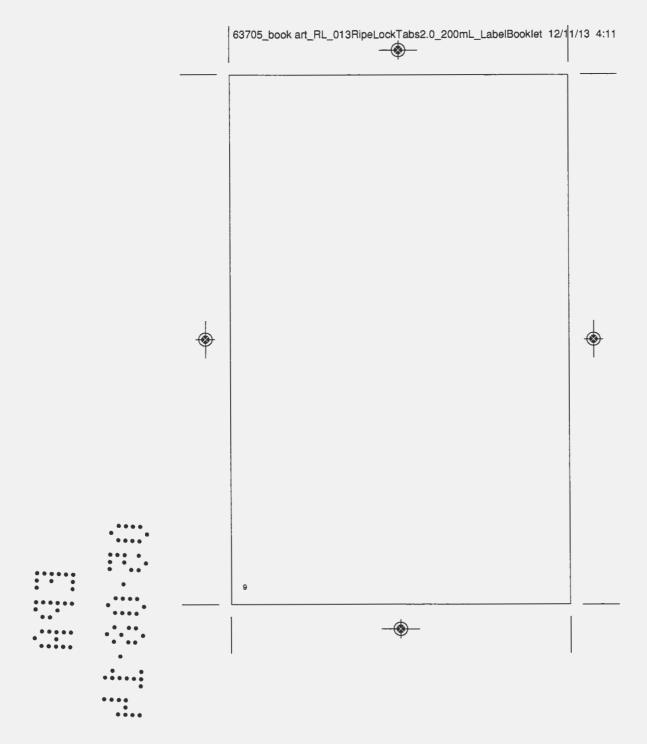


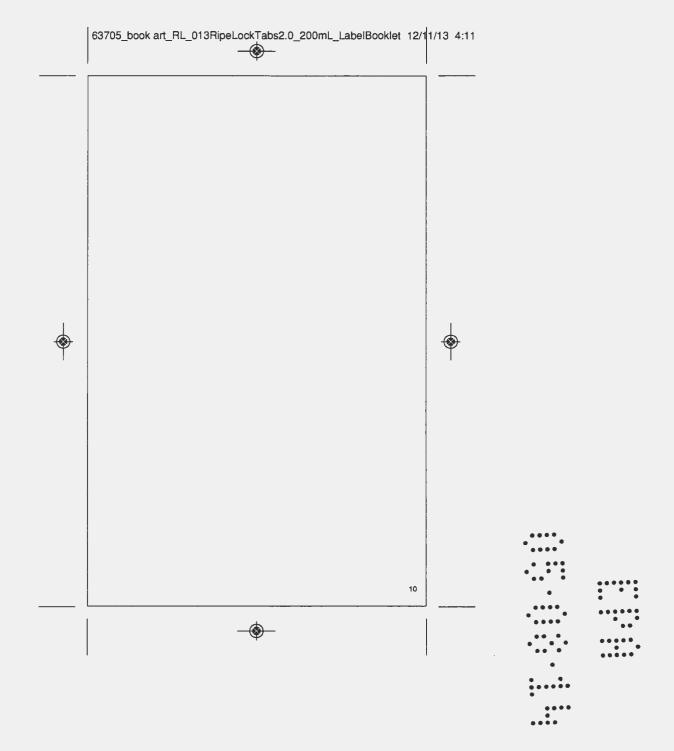
A Fully-Owned Subsidiary of Rohm and Haas company 100 Independence Mail West, Philadelphia, PA 19106 (215) 592-3000

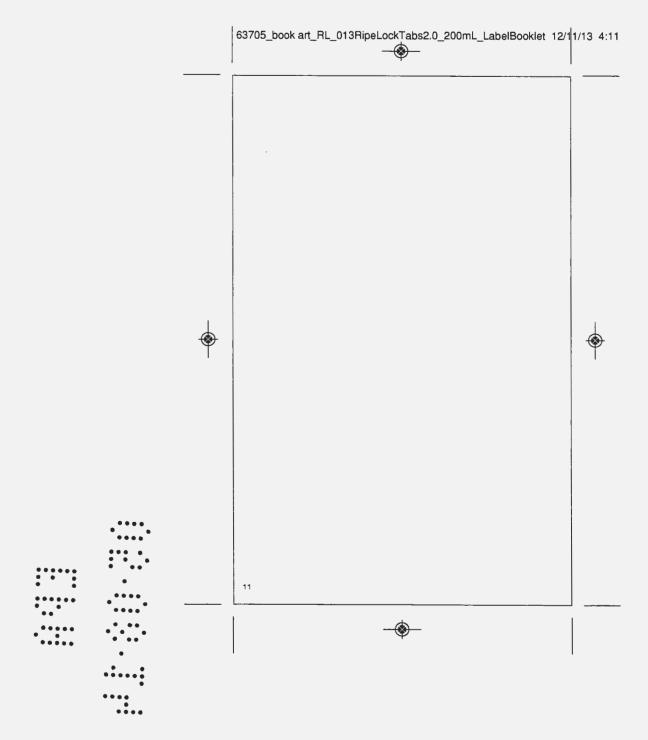












Easy Preparation · Simple Instructions



Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:

1-Methylcyclopropene...... 2.0% OTHER INGREDIENTS:.....98.0%

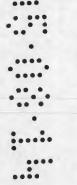
KEEP OUT OF REACH OF CHILDREN CAUTION

See Inside for First Aid Statement

EPA Reg. No. 71297-10 EPA Est. No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110057/20130055





AgroFresh Inc. A subsidiary of Rohm and Haas Company Philadelphia, PA. 19106

Tel: (215) 592-3000

Activator Solution: Active ingredient: citric acid ... Other ingredients: .. 90.0% 100.0% Total:

CALIFORNIA REGISTRATION NO. 71297-5000?-AA

NOTICE: Before using this product, read the entire Precautionary Statements and Storage and Disposal Instructions.

KEEP OUT OF REACH OF CHILDREN WARNING

FIRST AID

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IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial

respiration, preferably mouth-to-mouth if possible.

Call a poison control center for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or

doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING: Causes substantial but temporary eye injury Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear

- · Long-sleeved shirt and long pants
- · Shoes plus socks

before reuse.

- Chemical-resistant gloves made of any waterproof material
- · Goggles, face shield or safety glasses

DIRECTIONS FOR USE

For use only in conjunction with RipeLock Tabs 2.0. Refer to Use Directions on RipeLock Tabs 2.0.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or

Pesticide Storage: Store in original container in a

cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an

approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NET CONTENTS: 6.8 ounces (200 mL)

110049/20130017

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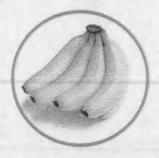


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For use only with RipeLock[™] Tabs 2.0

110049/20130133

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S: 837740	Resub	mission: O Yes 💿	No	Print Letter
Regulatory Type: Product Registr	ration - Section 3 Fee For	Service: 9 Yes 🕙	No -	More Information
Application Type: Amendment	▼	Billable: • Yes	No	
Company: 68550 BIRD	SHELD REPELLENT CORPORATION	V		Tracking
Risk Manager: Biologicals & Po	Dilution Prevention Division, PM Team 91			
Product #: 66550-1	Product Name: PIRD SHIELD REPELLEN	T CONCENTRATE		
Override#:				
Me Too Section3:	Me Too Product Name:			
	Product Name:	21-Jul-2013	Receipt Content	ı
Section3:	Product Name: OPP Rec'vd Date:	01-Jul-2013	Receipt Content	ı
Section3: 14-Jun-20	Product Name: OPP Rec'vd Date:			
Section3: 14-Jun-20 Application Date: 01-Jul-201	Product Name: OPP Rec'vd Date: Risk Manager Send Date:			
Application Date: 14-Jun-201 Front End Date: 01-Jul-201 FFS Due Date:	Product Name: OPP Rec'vd Date: Risk Manager Send Date:		CSF	/Edit
Application Date: 14-Jun-201 Front End Date: 01-Jul-201 FFS Due Date: OPP Target Date: Fast Track: T	Product Name: OPP Rec'vd Date: Risk Manager Send Date: Negotiated Due Date:	New in	CSF View	
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Closed in 7/30/13



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 15, 2013

Woodstream Corporation 69 N. Locust Street Lititz, PA 17543-0327 Attn: Mark Mongiovi

Subject: Notification of Label Action – Addition of Brand Logo; additional Marketing Claims

per PR Notice 98-10.

Product Name: Deer and Rabbit Repellent RTU Concentrate.

EPA Registration Number: 67356-1.

Optional Marketing Claim: Havart® Since 1940TM.

EPA Establishment No: 63416-MN-001. Your Submission dated April 19, 2013.

Dear Mr. Mongiovi:

The Biopesticides and Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action(s) requested falls within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 15, 2013

Woodstream Corporation 69 N. Locust Street Lititz, PA 17543-0327 Attn: Mark Mongiovi

Subject: Notification of Label Action - Addition of Brand Logo; additional Marketing Claims

per PR Notice 98-10.

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EPA Registration Number: 67356-1.

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EPA Establishment No: 63416-MN-001. Your Submission dated April 19, 2013.

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If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

Burnett, Gina

From:

Walsh, Colin

Sent:

Monday, June 24, 2013 10:53 AM

To:

Burnett, Gina

Subject:

FW: Alternate source filing

Follow Up Flag: Flag Status:

Follow up

Completed

Hi Gina,

If you see a notification for Bird Shield Repellent Concentrate (EPA Reg. No. 66550-1) for alternate source of a.i., they have asked to withdraw it per the email below.

Colin

Colin G. Walsh, M.S.

Biologist, Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P) Office of Pesticide Programs U.S. Environmental Protection Agency walsh.colin@epa.gov

(703) 308-0298 (phone) (703) 305-0118 (fax)

http://www.epa.gov/pesticides/

----Original Message----

From: Leonard R. Askham [mailto:ceo@birdshield.com]

Sent: Thursday, June 20, 2013 12:51 PM

To: Walsh, Colin Cc: Angeline Askham

Subject: Re: Alternate source filing

Greetings Colin.

With this letter we are withdrawing our submission of the application to amend our CSF by notification for an alternate active ingredient source.

Thank you for bringing this to our attention.

Leonard

On 6/20/2013 4:30 AM, Walsh, Colin wrote:

> Hi Leonard,

>

> When you address the hardcopy filing, you must address it to Linda Hollis, not me, because she has signature authority. It will most likely be assigned to me, but it must be addressed to Linda.

>

> I briefly looked at your notification, and it appears you are adding an unregistered source of active ingredient (i.e., the source does not have a separate EPA Reg. No. listed in column 12 of the CSF) under notification. You can submit alternate sources (or suppliers) for inert ingredients under notification, but you are not allowed to submit alternate unregistered sources of active ingredient under notification. Whenever you submit an unregistered source of active ingredient, you must submit it as a PRIA amendment (B681). If you have an alternate registered source of active ingredient, you may submit it under notification. If you have

```
already submitted the notification, you will receive a response rrom the Agency that the
notification is not acceptable.
> Regards,
> Colin
> ------
> Colin G. Walsh, M.S.
> Biologist, Biochemical Pesticides Branch Biopesticides and Pollution
> Prevention Division (7511P) Office of Pesticide Programs U.S.
> Environmental Protection Agency walsh.colin@epa.gov
> (703) 308-0298 (phone)
> (703) 305-0118 (fax)
> http://www.epa.gov/pesticides/
>
> ----Original Message----
> From: Leonard R. Askham [mailto:ceo@birdshield.com]
> Sent: Friday, June 14, 2013 12:15 PM
> To: Walsh, Colin
> Cc: Angeline Askham
> Subject: Alternate source filing
> Greetings Colin:
> Attached is an alternate source filing, by notification, for the active ingredient methyl
anthranilate used in the production of Bird Shield Repellent EPA Reg. No. 6650-1. Hard copy
to follow.
> Please call me if you have any questions, comments or concerns.
> Hope the summer is going well for you and the family.
> Leonard
> --
> Leonard R. Askham, Ph.D., CEO
> BIRD SHIELD REPELLENT CORPORATION
> 254 E. Main Street - P.O. Box 785
> Pullman, WA 99163 - USA
> tel:1.509.339.5740 and 1.509.338.0582
> www.birdshield.com
> This e-mail and any attachments may be confidential or legally privileged. If you received
this message in error or are not the intended recipient, you should destroy the e-mail
message and any attachments or copies, and you are prohibited from retaining, distributing,
disclosing, or using any information contained herein. Please inform us of the erroneous
delivery by return e-mail. Thank you for your cooperation.
>
Leonard R. Askham, Ph.D., CEO
BIRD SHIELD REPELLENT CORPORATION
254 E. Main Street - P.O. Box 785
```

8: 931114

Material Sent for Data Extraction

Reg. #
Description: Alt. Br. Nine Notif Smert Fresh
Material(s) Sent to Data Extraction Contractors:
New Stamped Label Dated
Notification Dated Feb 15, 2013
New CSF(s) Dated
Other:
Decision #:
Other Action/Comments:
File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the lacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring down to the (ISC). For further information please call 703-605-0716. Reviewer:
Phone: 63 668 Division: 6880
Date: 3/27/26/3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

March 6, 2013

Amvac Chemical Corporation 4695 McArthur Court, Suite 1250 New Port Beach, CA 92660

Attn: Kaila Moran

Subject: Notification of Additional Brand Name per PR Notice 98-10

Product Brand Name: AMV 1018 Technical

Alternate Brand Name: Smart Block

EPA Reg. No: 5481-571

Your Submission dated February 7, 2013.

Dear Ms. Moran:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action (s) requested falls within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

However, the final printed label for the Accepted Label of the product AMV1018 Technical should have preceded the request for an Alternate Brand name. Our established policy requires that a final printed label for an accepted label be received in this office not later than 6 months post approval. 1018To remedy the situation, please send us your final printed label for AMV 1018 Technical by July 31, 2013.

Sincerely,



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

March 6, 2013

Amvac Chemical Corporation 4695 McArthur court, Suite 1250 New Port Beach, CA 92660

Attn: Kaila Moran

Subject: Notification of Additional Brand Name per PR Notice 98-10

Product Brand Name: Amvac 1018 EP.

Alternate Brand Name: Smart Block® 98 Technical.

EPA Reg. No: 5481-568.

Your Submission dated February 7, 2013.

Dear Ms. Moran:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action (s) requested falls within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

However, the final printed label for the Accepted Label of the product Amvac 1018 EP should have preceded the request for an Alternate Brand name. Our established policy requires that a final printed label for an accepted label be received in this office not later than 6 months post approval. To remedy the situation, please send us your final printed label for **Amvac 1018 EP** by July 31, 2013.

Sincerely,



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

March 6, 2013

Amvac Chemical Corporation 4695 McArthur court, Suite 1250 New Port Beach, CA 92660

Attn: Kaila Moran

Subject: Notification of Additional Brand Name per PR Notice 98-10

Product Brand Name: Amvac 1018 EP.

Alternate Brand Name: Smart Block® 98 Technical.

EPA Reg. No: 5481-568.

Your Submission dated February 7, 2013.

Dear Ms. Moran:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action (s) requested falls within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

However, the final printed label for the Accepted Label of the product Amvac 1018 EP should have preceded the request for an Alternate Brand name. Our established policy requires that a final printed label for an accepted label be received in this office not later than 6 months post approval. To remedy the situation, please send us your final printed label for **Amvac 1018 EP** by July 31, 2013.

Sincerely,



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

March 6, 2013

Amvac Chemical Corporation 4695 McArthur court, Suite 1250 New Port Beach, CA 92660

Attn: Kaila Moran

Subject: Notification of Additional Brand Name per PR Notice 98-10

Product Brand Name: Amvac 1018 EP.

Alternate Brand Name: Smart Block® 98 Technical.

EPA Reg. No: 5481-568.

Your Submission dated February 7, 2013.

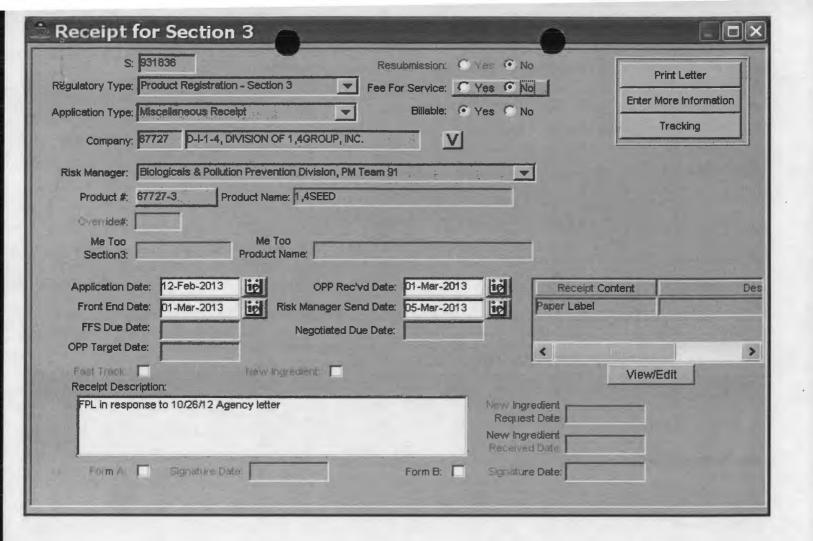
Dear Ms. Moran:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action (s) requested falls within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

However, the final printed label for the Accepted Label of the product Amvac 1018 EP should have preceded the request for an Alternate Brand name. Our established policy requires that a final printed label for an accepted label be received in this office not later than 6 months post approval. To remedy the situation, please send us your final printed label for **Amvac 1018 EP** by July 31, 2013.

Sincerely,



Withdraw Any Asy

Material Sent for Data Extraction

		Reg. #
Des	scription	1: Smart Fresh To Pro Tabs - Act. Br. None. Ripe
	Materia	al(s) Sent to Data Extraction Contractors:
	🗆	New Stamped Label Dated
		Notification Dated 2/18/13
		New CSF(s) Dated
		Other:
	Decisio	on #:
	Other A	Action/Comments:
well o jacke Servi availa	organized a et with the ces Center able as an	neet and attached materials in the jacket. It must be and clipped together, NOT STAPLED. Then give the coversheet and materials to staff in the Information (ISC) (Room S-4900). If a jacket is full or only image, please file materials in a new jacket and bring it C). For further information please call 703-605-0716.
Rev	iewer:	Sylmotin George
Pho	ne: 603	-0688 Division: BPED
Dat	e: Feb 2	6,2013



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

February 26, 2013

AGRO FRESH, INC. 727 Norristown Road Spring House, PA 19477-0904

Attn: Ann Bealieu

Subject: Notification to add an Alternate Brand Name, consistent with PR Notice 98-10.

Product Brand Name: SmartFreshTM ProTabs. Alternate Brand Name: RipeLock Tabs 2.0.

EPA Reg. No: 71297-10

Your Submission dated February 15, 2013.

Dear Ms. Beaulieu:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the action requested falls within the scope of this Notice. Our records have been duly noted, and the EPA Form 8750-1(Application Form), submitted has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

Receipt for Se S: Regulatory Týpe: Application Type: Company:	Prod	174 Juct Régistration Scation		Fee Fo	r Service:	Yes •		Enter	Print Letter More Informa Tracking	ation
Risk Manager: Product #: Override# Me Too Section3:	1		oduct N	ention Division, PM Team 91 ame: SMARTFRESH PROTA Too ct Name:	BS					
Application D Front End D FFS Due D	ate:	15-Feb-2013 19-Feb-2013	ië ië	OPP Rec'vd Date: Risk Manager Send Date: Negotiated Due Date:	19-Feb-2013		Receipt	Content	cover letter	Di /Appl
OPP Target Di	П	n:	New	Ingredient.			<	View	w/Edit	-
Notification	of Alt	ternate Brand N	lame pe	r Notice 98-10		Reque New In	gradient est Date gradient ed Date			

Dews # 475 355



February 15, 2013

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Biopesticides and Pollution Prevention Division
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention:

Linda Hollis, Chief, Biochemical Pesticides Branch, BPPD

Subject:

Notification of Alternate Brand Name per Notice 98-10

EPA Registration Number 71297-10 Product: SmartFreshTM ProTabs

Active Ingredient = 1-methylcyclopropene

This is a notification to add an alternate brand name for SmartFreshTM ProTabs. The alternate brand name is RipeLockTM Tabs 2.0. The primary brand name remains SmartFreshTM ProTabs.

This change is being made by notification and is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Sincerely,

Ann Beaulieu, Ph.D.

Director, Regulatory Affairs

enclosure

Please read instructions on re	everse before completing form.		Form	ין Aריייטע ד	,		val expires 05-31-
⊕EPA	United State Environmental Prote		у		Registrat Amendme		enuller Number
· · ·	Washington, DC	20460	_	X	Other		
•	Applicat	ion for Pesti	cide - Se	ction	1 l		
1. Company/Product Num	ber	2. EP	A Product N	Manage	r	3. Proposed	Classification
AgroFresh, Inc. / 71297- 1	0	Linda	Hollis				
Company/Product (Nar	me)	PM#				None	Restricte
AgroFresh / SmartFresh™	' ProTabs					X	1103011010
5. Name and Address of AgroFresh Inc./Rohm and Ha 727 Norristown Road Spring House, PA 19477-090		(b)(l), to: EPA F				e with FIFRA Se Il in composition	
		Section	· II				
Amendment - Explai	in below.		Final printe Agency let "Me Too" A	ter dated	on.	otification	Accepted
X Notification - Exp	plain below.		Other - Exp	olain bel	ow. Da	nte: Feb 2 viewer: Sylv	E105,3
THE IS A FISHIBATION IS A	n alternate brand name, RipeLo	Section ·		TOTTIGIT			
1. Material This Product							
Child-Resistant Packaging Yes* No	Yes X No If "Yes" No.	per If "Yes"		. per	2. Type of C	Metal Plastic Glass	
* Certification must be submitted	Unit Packaging wgt. con	itainer Package w	gt cor	ntainer		Paper Other (Specify) Blister Pack	
3. Location of Net Content		Size(s) Retail Cor	tainer	5.	X On La	Label Directions bel beling accompa	
6. Manner in Which Labe	-	Lithograph X Paper glued Stenciled			Other	***	•
		Section -	IV				•
	te items directly below for iden	tification of individ	ual to be c	ontacte			
Name Ann Beaulieu		Regulatory Affair	3		215-619		
	Certification I have made on this form and all a Mingly false or misleading statement	ttachments thereto				6. Date Applica Received	ation

Director, Regulatory Affairs

5. Date

February 18, 2013

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

2. Signature

4. Typed Name

Ann Beaulieu

White - EPA File Copy (original)

Yellow - Applicant Copy



WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

February 5, 2013

Arysta Life Science North America, LLC 15401 Weston Parkway, Suite 150 Cary, North Carolina 27513

Attn: Rodney Akers

Subject: Removal of California Use Restriction to Botrytis Rot on Strawberry per PR Notice

98-10.

Product Name: Endorse Water Dispersible Granules.

EPA Reg. No: 66330-56.

Your Submission dated December 17, 2012.

Dear Mr. Akers:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10. It has been determined that the action requested is **not acceptable**. BPPD has determined that this action will be more efficiently processed as a label Amendment. The requested changes are not permissible under PRN 98-10. You must resubmit this act as an If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

Please read instructions on reverse before concetting form.	Form ApproveMB No. 2070-0060. Approval expires 05-31-98
EPA Environmental Protection Ag Washington, DC 20460	Registration Amendment OPP Identifier Number Other
Application fo	r Pesticide - Section I
Company/Product Number 71908-5	EPA Product Manager Andrew Bryceland 3. Proposed Classification
Company/Product (Name) NEEMAZAL 0.6 EC	. 5.PM# Team Lead None Restricted
5. Name and Address of Applicant (Include ZIP Code) E.I.D. Parry (India) Limited Bioproducts Division, 4 th Floor 234 N.S.C. Bose Road Chennai 600 001 Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name
	Section II
Amendment - Explain below. Resubmission in response to Agency letter dated XX-XX-XX Notification - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Sec Non-PRIA Notification Revise Storage and Disposal in accordance with Pesticide Registration	Notice 2007-4, add Environmental Hazards for household/residential use only in
accordance with PR Notice 2008-1, and other minor changes in accordance	nce with PR Notice 98-10. Please see cover letter for details.
	Section III
1. Material This Product Will Be Packaged In: Child-Resistant Packaging Yes* No No If "Yes" Unit Packaging Yes No. per Unit Packaging wgt. Container	Water Soluble Packaging Yes No If "Yes" Package wgt. Container Other (Specify) Plastic Bag
3. Location of Net Contents Information Label Container 4. Size(s) Retail C 4 fl oz, 8 fl oz, 1 2.5 gallons	
6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled	Other
S	Section IV
Contact Point (Complete items directly below for identification of indiv Name Dennis Creason Title	idual to be contacted, if necessary, to process this application) Telephone Nc. (Include Area Code) Authorized Agent 816-778-4979
Certification I certify that the statements I have made on this form and all attachr acknowledge that any knowingly false or misleading statement may under applicable law.	ments thereto are true, accurate and complete. I
2. Signature BY: Lennis Creator 5. Date	Authorized Agent
4 Typed Name: Dennis Creacen I 5. Date	e: April 1, 2013

Please read instructions on reverse before	comp. form.		Form Approve 3 No. 20	70-0060, Approval expires 05-31-98		
O EDA	United States onmental Protec		☐ Registration ☐ Amendment	OPP Identifier Number		
CIVII	Washington, DC 20460			on		
	Applica	tion for Pest	ticide - Section I			
1. Company/Product Number 67356-1		Linda	oduct Manager Hollis – Chief emical Pesticides Branch	3. Proposed Classification		
2. Company/Product (Name) Deer Off Deer Repellent Co	acentrate	PM# 91		None Restricted		
5. Name and Address of Applicant (Inc. Woodstream Corporation 69 N. Locust Street Lititz, PA 17543-0327 Check if this is a new add.		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No Product Name				
		Section	-11			
Amendment – Explain below. Resubmission in response to Age Notification – Explain below.	ncy letter dated		I "Me Loo" Application	otification Accepted see: July 15, 2013 Sylvester George		
This notification is consistent wingles have been made to the violation of 18 USC Sec. 1001 (consistent with the terms of PR subject to	th the provisions of e labeling or the co o willfully make fa NOTICE 98-10 an	onfidential state lse statements to d 40 CFR 152.4	98-10 and EPA Regulations a ment of formula of this produ o EPA. I further understand	ict. I understand that it is a that if this notification is not lation of FIFRA and I may be		
		Section	- []	••••		
Material This Product Will Be Pack	aged In:			*****		
Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging	2. Type of Gentainer		
Yes*	Yes		Yes	Metal••		
⊠ No	☐ No		⊠ No :•	Plastic*		
*Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt. No. per * container *	Glass Paper Other (Specifiy)		
3. Location of Net Contents Information	on 4. Size(s) Re	etail Container		of Label Directions		
☐ Conta	ner	z, 128oz, 2.5 gal	On La			
6. Manner in Which Label is Affixed to	Product	Lithograph Paper glued Stenciled	Other	• • • • • • • • • • • • • • • • • • • •		
		Section	-IV			
1. Contact Point (Complete items direct	ctly below for identificat	tion of individual to	be contacted, if necessary, to proc	cess this application)		
Name Chad L. Matee		Title Regular	tory Affairs Manager	Telephone No. (Include Area Code) 717-626-2125 x426		
Chau Li. Matte	Certifica		oly ministratinger	6. Date Application		
I certify that the statements I have ma acknowledge that any knowingly false under applicable law.	de on this form and all	attachments there		Received		
2. Signature		3. Title	logulatow: A ffai-			
4 Tuned Name)	5. Date	egulatory Affairs			
4. Typed Name Mark Mongio	vi	J. Date	4-19-13			

lease rea	ad instructions	on	reverse	before	completing form	1.

Tue Copo

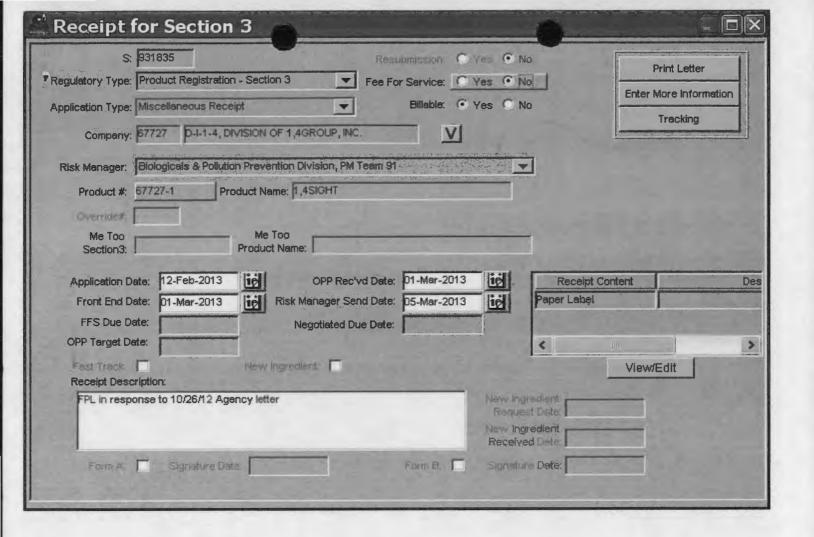
Form Approved, OMB No. 2070-0060, Approval expires 05-31-9

EPA En	United State vironmental Prote Washington, DC	ction Agenc	✓ ☐ Amen	tration dment : Notification	OPP Identifier Number
	Applic	ation for Pe	esticide - Section	on I	
1. Company/Product Number 67356-1		Lin	Product Manager da Hollis — Chief chemical Pesticid		3. Proposed Classification
2. Company/Product (Name) Deer Off Deer Repellent	Concentrate	PM# 91		· to	None Restricted
5. Name and Address of Applicant Woodstream Corporation 69 N. Locust Street Lititz, PA 17543-0327 Check if this is a new in the control of t		(b)(l), to: EPA R		ilar or identical	with FIFRA Section 3(c)(3) In composition and labeling Otification Accepted
		Section	on – II		Selvester Gente
Amendment – Explain below. Resubmission in response to Notification – Explain below. Explanation: Use additional			☐ "Me Too" Appli	cation n below	to Agency letter dated
consistent with the terms of		nd 40 CFR 15	2.46, this product it ies under sections	may be in viola	hat if this notification is not tion of FIFRA and I may be IFRA.
4 Material This Brederit Will De D		Section	on — III		
Material This Product Will Be P Child-Resistant Packaging Yes* No	Unit Packaging Yes No If "Yes"	No. per	Water Soluble Pa	ckaging No. per	2. Type of Container Metal Plastic Glass
*Certification must be submitted	Unit Packaging wgt	. container	Package wgt.	container	Paper Other (Specifiy)
3. Location of Net Contents Inform Label Co	ntainer	Retail Container oz, 128oz, 2.5 ga		On Lab	of Label Directions el eling accompanying product
6. Manner in Which Label is Affixe	d to Product	Lithograph Paper glued Stenciled	Other_		
		Sectio	n – IV		
1. Contact Point (Complete items of	directly below for identification	ation of individual	to be contacted, if ne	cessary, to proce	ss this application)
Name Chad L. Mat			atory Affairs M	fanager	Telephone No. (Include Area Code) 717-626-2125 x426
I certify that the statements I have acknowledge that any knowingly fa under applicable law.		l attachments the			6. Date Application Received (Stamped)
2. Signature 4. Typed Name	1->>	3. Title 5. Date	Regulatory Aff	airs	
Mark Mong	iovi	J. Date	4-29-13		

Notification Accepted

5760

Reviewer:



May factor

Choragia Oly



Please read instructions	s on reve	rse side before comple	лт.		Form	Approved	. UMB No. 207	0-0060	. Approva	al expires 05-3	31-98
SEPA		Environmer Was		☐Am ☑ Ot	gistration endment her		OPP Iden	tifier Number			
			Applicati	on for P	<u> Pesticide – Se</u>						
1. Company/Product	Numbe	67727-1			2. EPA Product M	_		3. P	roposed C	Classification	
4. Company/Product	(Name)				Linda Hollis	<u> </u>			None	Restrict	ted
1,4SIGHT					91/Biochem						
D-I-1-4, a div PO Box 860	ision	of 1,4Group, I			6. Expedited R (b)(i), my producto: EPA Reg. No.	t is simila	ar or identical	in con	nposition	and labelin	
Meridian, ID					Product Name						
Checi	c if this is	s a new address		Soc	ction II						
				5e 0	Juon II						
Amendment – I Resubmission i Notification – E	n respoi	nse to Agency letter da	ited		Agency lett - Me Too" A	er dated _ pplication.	response to		plies	with Labeli	ing
Explanation: Use	addition	al page(s) if necessary	. (For section	I and Section							_
Submission of	two (2) copies of a fina	l printed la	bel per A	Agency letter d	ated 10/	Date: 26/12. Reviewe	r: <u>\}</u>	gluste	2012 L. George	<u>e</u>
				Sec	tion III		·				
1. Material This Proc	luct Will	Be Packaged In:				-					
Child Resistant Paci		Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per Container	If "Yes"), per	Pla	ontaine etal astic ass	r		
			4 0: (0) 5	170 11		1			pecify)		
3. Location of Net Co		tainer	4. Size(S) R	etali Contai	ner	5.1	Location of Lab On Lab On Lab	el		ying product	
6. Manner in Which	Label is	Affixed to Product	Lithogra Pager g Stencile	lued		Other	_		•		
				Sec	tion IV					• • •	
1. Contact Point (Co	mplete i	tems directly below for	identification	of individua	I to be contacted, if	necessary,	, to process this	s applic	cation.)		
Name Amy Plato Roberts, Technology Sciences Group, Inc. Title Regulatory Consultant aroberts@tsqusa.com Title (202) 684-2784											
	edge that	atements I have made t any knowingly false o ble law.		nd all attacl					Receiv	pplication red • Stamped)	
2. Signature	Q	Allers		3. Title Regulat	ory Consultant	ł				••••	
4. Typed Name Amy	Plato	Roberts		5. Date	February 12, 20	013					



1,4SIGHT®

Aerosol Grade - Potato Dormancy Enhancer

		By vveigr
Active Ingredient:	1,4-Dimethylnaphthalene*	97.4%
	active ingredient per gallon.	

Keep Out of Reach of Children WARNING

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals – Warning: Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards: This product is highly toxic to freshwater fish and aquatic invertebrates. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Have the product cor treatment.	First Aid Italiner or label with you when calling a person control center or doctor or going for
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye

Call a poison control center or doctor for treatment advice.
 Call a poison control center or doctor immediately for treatment advice.
 Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by a poison control center or doctor.
Do not give anything by mouth to an unconscious person.

If on skin or clothing

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control center or doctor for treatment advice.

Emergency Information

For spill, leak, fire, exposure, or accident call PERS 1-800-633-8253.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Keep container closed. This product temporarily inhibits germination of potatoes.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple finse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ½ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then effer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

Continue Directions for Use on Reverse NET CONTENTS 5 Gallons

Manufactured For:
D-I-1-4, a division of
1,4GROUP, Inc.
P.O. Box 860
Meridian, ID 83680 USA
Lot Number/Batch Number

Complies with EPA Reg. Number 67727-1
EPA Accepted Labeling
Product of Japan
Revision 020713

Date: 10 | 26 | 2012

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NOTICE

- 1,4SIGHT® is used as an aerosol to enhance the dormancy of potatoes during the storage phase.
- Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical resistant (such as nitrile or butyl) gloves.
- For reentry into treated areas during application and prior to ventilation or settling of aerosol fog, workers must wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn, and a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

- 1,4SIGHT® must not be applied to potatoes in the field.

 1,4SIGHT® may be applied anytime after the potatoes are placed into the storage area.

 1,4SIGHT® is a short term dormancy enhancer which should not adversely affect eventual germination of seed potatoes.
- Let 60 days elapse before using a treated storage area as a temporary holding area for seed potatoes. Air system components (including ducts) and building must be thoroughly ventilated before area is used for storage of seed potatoes to prevent dormancy effects.
- Do not allow vapors to come in contact with storage areas used for seed potatoes within 30 days of their planting.

FORCED AIR DISTRIBUTION METHOD

- Prepare aerosol generating equipment. The discharge from the vaporizer should be located to provide optimum distribution in the storage area. Take precautions to prevent the spray from coming into direct contact with the potatoes.
- Running fans during the application may aid disbursement of vapors, but is not required. 2.
- 3. It is advantageous to keep the storage area closed as long as practical to allow for maximum absorption into the potatoes.

TREATMENT OF STORAGE AREAS THAT DO NOT HAVE RECIRCULATING AIR SYSTEMS

These storage areas are more difficult to treat. Additional steps must be taken to treat these storage areas.

- 1. Prepare aerosol generating equipment. The discharge from the vaporizer should be located to provide optimum distribution in the storage area. Take precautions to prevent the spray from coming into direct contact with the potatoes.
- 2. Completely close off the area to be treated. This may include vent doors in the attic and walk doors around the perimeter. The large truck doors may need to be sealed to prevent excess leakage.
- Begin treatment by following the listed steps;
 - A. Start the aerosol generator.
 - B. Adjust the location of the vaponzer so all the storage area receives an equal amount of aerosol fog. It may be necessary to move the vaporizer during the application or make the application in multiple phases. For reentry into treated areas during application and pnor to ventilation or settling of the aerosol fog, workers must wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.
- 4. Wait at least 12 hours before fresh air is introduced into the storage area, then return the storage area to "normal" operation.
- It is advantageous to keep the storage area closed as long as practical to allow for maximum absorption into the potatoes.

TREATMENT IN SMALL CONTAINERS

- Prepare the application equipment. The discharge from the applicator should be located to provide optimum placement in the storage area. Take precautions to prevent the spray from coming into direct contact with the potatoes.
- 2. It is advantageous to keep the storage area closed as long as practical to allow for maximum absorption into the potatoes.

APPLICATION TIMING AND RATES?

Application of 1,4SIGHT® can be made anytime after the potatoes are placed in the storage area.

- 1. Apply at rates of up to 1 pound of active ingredient per 50,000 lbs (500 cwt), which is equivalent to 20 ppm on a product to potato basis or 1 gallon per 4,000 cwt.
- 2. While potatoes may the storage season. While potatoes may be retreated as necessary for effective control, do not exceed the maximum application of 80 ppm during

A (101)

CONDITIONS OF SALE

1,4GROUP, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of ... merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer, and buyer assumes the risk for any such use. To the extent consistent with applicable law, 1,4GROUP, Inc. makes no other warranties, express or implied, including the implied warranty of merchantability or the implied warranty of fitness for a particular purpose, that extend beyond the statements made on this label. To the extent consistent with applicable law, 1,4GROUP, Inc., dislaims any liability whatsoever for punitive, special, incidental or consequential damages resulting from the use or handling of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid or at 1,4GROUP, Inc.'s election, replacement of the product.

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\$EPA	United States Environmental Protection Ag Washington, DC 20460				ation ment	OPP Identifier Number
		Application	on for Pesticide - Se	ection I		
1. Company/Product Numb			2. EPA Product N	Manager	3.	Proposed Classification
4. Company/Product (Nam	67727-3	Linda Holli	Linda Hollis			
1,4SEED			91/Biocher	nical/BPPD		
5. Name And Address Of A D-I-1-4, a division PO Box 860 Meridian, ID 8368	of 1,4Group,		(b)(i), my produ to: EPA Reg. No. Product Name	ct is similar or id	lentical in o	th FIFRA Section 3(c)(3) omposition and labeling
			Section II			
Amendment – Explain Resubmission in resp Notification – Explain	onse to Agency letter of	dated	Agency le	ed labels in responter datedApplication.		6/12
			Section III			
1. Material This Product W	ill Be Packaged In:					
Child Resistant Packaging Yes* No	Unit Packaging Yes No		Water Soluble Packaging Yes No	2. Ty	pe of Contai Metal Plastic	
* Certification must be submitted	If "Yes" Unit Packaging wg	No. per t. Container		o. per ontainer	Glass Paper Other (Specify)
3. Location of Net Contents	s Information ontainer	4. Size(S) Ret	tail Container	5. Locatio	n of Label Di On Label On Labeling	accompanying product
6. Manner in Which Label i	s Affixed to Product	Lithograp Pager glu Stenciled	ued 🗀	Other		•••••
			Section IV			
1. Contact Point (Complete Name Arrry Plato Roberts, Tec		Group, Inc.	f individual to be contacted, in Title Regulatory Consultant aroberts@tsgusa.com	f necessary, to pro		No. (Include Area Code)
	at any knowingly false		ion d all attachments thereto are atement may be punishable t			6. Date Application Received (Stamped)
2. Signature			3. Title			

3. Title
Regulatory Consultant

February 12, 2013

5. Date

4. Typed Name
Amy Plato Roberts EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete

Allers



Aerosol Grade - Seed Potato Dormancy Enhancer

Active Ingredient:	1,4-Dimethylnaphthalene*	98.4	1%
Other Ingredients:		1.6	3%
* Contains 8.3 pounds ac	ctive ingredient per gallon.		

Keep Out of Reach of Children

WARNING

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals – WARNING: Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing wash clothing before reuse.

Environmental Hazards: This product is highly toxic to freshwater fish and aquatic invertebrates. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for

treatment.	
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Emergency Information

For spill, leak, fire, exposure, or accident call PERS 1-800-633-8253.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Keep container closed. This product temporarily inhibits germination of seed potatoes.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING**

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse so follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local of the control of the con ordinances

Continue Directions for Use on Reverse **NET CONTENTS 5 Gallons**

Manufactured For: D-I-1-4, a division of 1,4GROUP, INC. P.O. Box 860 Meridian, ID 83680 USA Lot Number/Batch Number_

EPA Reg. Number 67727-3 EPA Est. Number 065726-ELS-001 Product of Japan Revision 020513

NOTICE

- 1,4SEED[®] is used as an aerosol to enhance the dormancy of seed potatoes prior to germination.
- Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical resistant (such as nitrile or butyl) gloves.
- For reentry into treated areas during application and prior to ventilation or settling of aerosol fog, workers must
 wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or
 butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vaporremoving cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a
 canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator
 with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.
- 1,4SEED® must not be applied to potatoes in the field.
- 1,4SEED[®] may be applied anytime after the potatoes are placed into the storage area.
- Do not allow vapors to come in contact with storage areas used for seed potatoes within 30 days of their planting.

FORCED AIR DISTRIBUTION METHOD

- 1. Prepare aerosol generating equipment. The discharge from the vaporizer should be located to provide optimum distribution in the storage area. Take precautions to prevent the spray from coming into direct contact with the potatoes.
- 2. Running fans during the application may aid disbursement of vapors, but is not required.
- 3. It is advantageous to keep the storage area closed as long as practical to allow for maximum absorption into the potatoes.

TREATMENT OF STORAGE AREAS THAT DO NOT HAVE RECIRCULATING AIR SYSTEMS

These storage areas are more difficult to treat. Additional steps must be taken to treat these storage areas.

- 1. Prepare aerosol generating equipment. The discharge from the vaporizer should be located to provide optimum distribution in the storage area. Take precautions to prevent the spray from coming into direct contact with the potatoes.
- 2. Completely close off the area to be treated. This may include vent doors in the attic and walk doors around the perimeter. The large truck doors may need to be sealed to prevent excess leakage.
- 3. Begin treatment by following the listed steps;
 - A. Start the aerosol generator.
 - B. Adjust the location of the vaporizer so all the storage area receives an equal amount of aerosol fog. It may be necessary to move the vaporizer during the application or make the application in multiple phases. For reentry into treated areas during application and prior to ventilation or settling of the aerosol fog, workers must wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.
- 4. Wait at least 12 hours before fresh air is introduced into the storage area, then return the storage area to "normal" operation.
- 5. It is advantageous to keep the storage area closed as long as practical to allow for maximum absorption into the potatoes.

APPLICATION TIMING AND RATES

Application of 1,4SEED® can be made anytime after the potatoes are placed in the storage area.

- 1. Apply at rates of up to 1 pound of active ingredient per 50,000 lbs (500 cwt), which is equivalent to 20 ppm on a product to potato basis or 1 gallon per 4,000 cwt.
- 2. While potatoes may be retreated as necessary for effective control, do not exceed the maximum application of 80 ppm during the storage season.

CONDITIONS OF SALE

1,4GROUP, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer, and buyer assumes the risk for any such use. To the extent consistent with applicable law, 1,4GROUP, Inc. makes no other warranties, express or implied, including the implied warranty of merchantability or the implied warranty of fitness for a particular purpose, that extend beyond the statements made on this label. To the extent consistent with applicable law, 1,4GROUP, Inc., disclaims any liability whatsoever for punitive, special, incidental or consequential damages resulting from the use or handling of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid or at 1,4GROUP, Inc.'s election, replacement of the product

5: 92354+

Material to be added to an e-Jacket/Jacket

	Reg. No+1277-10	
	. Placement within the e-Jacket/jacket:	•
	□ Default: (chronological, top/newest)	
age	□ Description: (PDF page number, i.e., "before p	
	45")	
	2. Send to Data Extraction contractors this material:	2
	 Newly stamped accepted label 	
	□ Notification	
	□ New CSF	
	□ Other:	
	□ New CSF	

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's name: Sylvester George

Phone: 603-0688 Division: BPPD

Date: 9/12/2012



September 7, 2012

Document Processing Desk
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Biopesticides and Pollution Prevention Division
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention:

Linda Hollis, Chief, Biochemical Pesticides Branch, BPPD

Subject:

Submission of Final Printed Labeling

Response to Registration dated March 5, 2012

EPA Registration Number 71297-10 Active Ingredient = 1-methylcyclopropene

As required on point 3 in the Notice of Registration for 71297-10, enclosed please find two (2) copies of all the final printed labeling for SmartFresh ProTabs.

If you have any questions, please contact me at 215-619-5534 or abeaulieu@agrofresh.com. Thank you.

Sincerely,

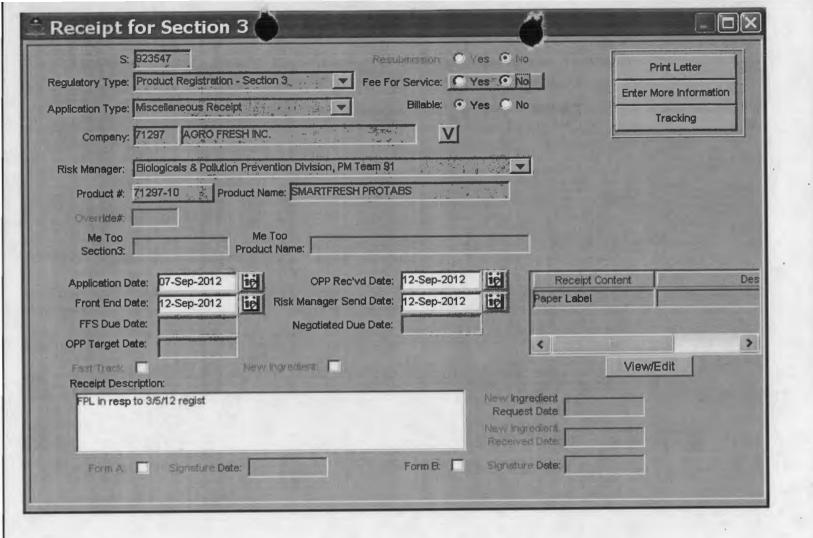
Ann Beaulieu, Ph.D.

Director, Regulatory Affairs

An Seauler

AgroFresh, a Rohm and Haas company

cc: enclosures



Recycl 2-12

Use only with 200 mL ProPack

SmartFresh* ProTabs

BEFORE USING THIS PRODUCT,
READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING



EPA Reg. No. 71297-10

EPA Est. No. 707-WA-001

Made in U.S.A.

AgroFresh Inc. · A subsidiary of Rohm and Haas company · Philade phia PA 115A 19106

10022/20120002

SmartFresh ProTabs

Protects harvested fruit and vegetables from the various effects of ethylene.







ACTIVE INGREDIENT:

1-Methylcyclopropene....... 2.0%
OTHER INGREDIENTS...... 98.0%
Total: 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

See inside for First Aid Statement

EPA Reg. No. 71297-10 EPA. Est No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

1 1 023 0 (20)03

Quick Guide

 Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.

Check labels to confirm that the number of SmartFresh ProTabs in the tablet package and the size of the SmartFresh ProPack correspond to the size of the roorn. Match the color code of the tablet package with that of the ProPack.



Wear long-sleeved shirt and long pants, shoes plus socks, chemicalresistant gloves, safety glasses or goggles.

4. Set the ProPack on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the ProTabs package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.







OPEN.

ADD.

GO.

Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.

 After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.

 Remove the used ProPack and dispose of it and its contents either on site or at an approved waste-disposal facility.

8. Store treated fruit according to industry best practices.

See inside for additional precautionary statements.

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SmartFresh* ProTabs

Protects harvested fruit and vegetables from the various effects of ethylene.







ACTIVE INGREDIENT:

1-Methylcyclopropene...... 2.0%
OTHER INGREDIENTS...... 98.0%

Total:..... 100.0%

CAUTION

See inside for First Aid Statement

EPA Reg. No. 71297-10 EPA. Est No. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA, USA 19106

110023/20110002

c.) Select the appropriate number of SmartFresh ProPacks. For best results with small spaces, use the pink ProTabs and the small (200 mL) ProPack. No more than 25 pink ProTabs per ProPack.

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluate of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- · All vents to outside air are closed
- · When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition

No missing rubber No large cracks
No plastic slat doors No side doors

• Scrubbers and/or ozone generators are off

Step 3: Fill the treatment space with the fruit or vegetables to be treated

Step 4: Start the application to release SmartFresh active ingredient

- a) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
- b) Remove the tear strip from the SmartFresh ProPack taking care not to spill the solution.
- To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the solution
- in the corresponding ProPack.
 d) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions
- within 5 minutes.
 e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the SmartFresh ProTabs to the solution.
- f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.

PRODUCT INFORMATION

SmartFresh™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on apples
- · Reducing internal ethylene production
- · Protection from external sources of ethylene
- Reducing respiration
- · Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealiness in apples
- Reducing chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55°F, 13°C) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fruits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions. Harvested fruit and vegetables must be exposed to the volatile active

commodities, treatment should be at warm temperature conditions. Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard

previously treated with etherhon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

Apples: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply SmartFresh to the fruit soon after harvest at the

physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to

reaching Color Stage 4. **Broccoli:** Apply SmartFresh as soon after harvest as possible.

Kiwifruit: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

Persimmons: Apply SmartFresh as soon after harvest as possible. **Tomatoes:** Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

Peaches, Nectarines, Plums, Plumcots, and Apricots: Apply SmartFresh as soon after harvest as possible.

Peaches, Nectarines, Plums, Plumcots, and Apricots: Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. The release vessel is called SmartFresh ProPack. The small size contains 200 mL of solution. When the entire contents of a tablet package are added to the solution in the appropriate SmartFresh ProPack,

the volatile active ingredient 1-methylcyclopropene (1-MCP) is released.

Make sure that you have a sufficient supply of both SmartFresh ProTabs

and SmartFresh ProPacks available to treat the designated space. Step 1: Select the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 15 feet long x 15 feet wide, the treatment volume would be 20 x 15 x 15 = 4,500 cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Example:
 To treat a 4,500 ft3 space for tomatoes, divide 4,500 by 530 and use eight (8) pink ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Crop	Rate One PINK ProTab treats
Apples, Asian Pear, Avocado, Broccoli	270 ft ³ - 360 ft ³
Pear	420 ft1 - 880 ft1
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	530 ft ⁴ - 600 ft ⁴
Banana	270 ft³ - 1060 ft³

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

	FIRST AID
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
	HOTLINE 1-215-592-3000

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- · Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a
 prefilter approved for pesticides (MSHA/NIOSH approval number
 prefix TC-23C), or a canister approved for pesticides
 (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH
 approved respirator with an organic vapor (OV) cartridge or
 canister with any N,R,P, or HE prefilter.

g) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot. h) For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only. Do not smoke during the SmartFresh application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Use only with 4L ProPack

SmartFresh* ProTabs

BEFORE USING THIS PRODUCT,
READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING



EPA Reg. No. 71297-10

EPA Est. No. 707-WA-001

Made in U.S.A.

AgroFresh Inc. • A subsidiary of Rohm and Haas company • Philadelphia, PA USA 19106

1 0023/20120010

Material Sent for Data Extraction

	Reg. # 71297 - KN (-10)
Desci	iption: New Registration uf Label
	Naterial(s) Sent to Data Extraction Contractors:
	New Stamped Label Dated 3/5/2017
	Notification Dated
	New CSF(s) Dated 12 8/17/2011
	Other:
	Decision #: 453045
	Other Action/Comments:
well org jacket v Service availabl	coversheet and attached materials in the jacket. It must be anized and clipped together, NOT STAPLED. Then give the with the coversheet and materials to staff in the Information Center (ISC) (Room S-4900). If a jacket is full or only as an image, please file materials in a new jacket and bring in the (ISC). For further information please call 703-605-0716.
Revie	wer: Gina Burnett
Phone	2: 703-605-05FB Division: BPPD
Date:	3/8/2012



U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Biopesticides and Pollution Prevention Division (7511P) 1200 Pennsylvania Avenue NW Washington, DC 20460

Reregistration (under FIFRA, as amended)

NOTICE OF PESTICIDE:

X Registration

71297-10

Date of Issuance:

1 1201-10

EPA Reg. Number:

MAR 0 5 2012

Term of Issuance:

Unconditional

Name of Pesticide Product:

SmartFresh ProTabs

Name and Address of Registrant (include ZIP Code):

Ann Beaulieu, Ph.D. AgroFresh, Inc. P.O. Box 904 Spring House, PA 19477

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA. This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) provided you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 2. Revise the EPA Registration Number to read, "EPA Reg. No. 71297-10."
- 3. Submit two (2) copies of the final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

EPA Form 8570-6

EPA Form 1320-1A (1/90)

Date:

W. Michael McDavit, Associate Director,

MAR. 0 5 2012

Biopesticides and Pollution Prevention Division

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YMBOL.	•	7511P	1511	12 HOLLY					
URNAME	•	Rumett	. 1						
ATE	•	215/2012	-1161	12					

OFFICIAL FILE COP

MASTER LABEL

SmartFreshTM ProTabs

For Commercial Use for the treatment of apples, melons, tomatoes, pears, avocados, mangoes*, papayas*, kiwifruit, peaches, nectarines, plums, apricots, plumcots, asian pears, bananas, broccoli, and persimmons.

(*not for use on this crop in the state of California)

SUBLABEL A: Yellow Tablets

SUBLABEL B: Pink Tablets

ACTIVE INGREDIENT:

1-Methylcyclopropene 2.0% OTHER INGREDIENTS 98.0% Total: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured by: AgroFresh Inc. A Subsidiary of Rohm and Haas company 100 Independence Mall Philadelphia, PA, USA 19106 1-215-592-3000

EPA Reg. No. 71297-EPA Est. No. 707-WA-001 ACCEPTED

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7 297 - 10

<Label No.>

<SUBLABEL A: Yellow Tilets>

<FRONT PANEL>

<Use one of two statements below> Use only with 1L ProPack Use only with 4L ProPack

SmartFreshTM ProTabs

BEFORE USING THIS PRODUCT, READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

Net Contents:

				* 4.	or Conten						
Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams	Yellow Tabs	Ounces	Grams
1	0.15	4.2	11	1.6	46.2	61	9.0	256	71	10.5	298
2	0.30	8.4	12	1.8	50.4	62	9.2	260	72	10.7	302
3	0.44	12.6	13	1.9	54.6	63	9.3	265	73	10.8	307
4	0.59	16.8	14	2.1	58.8	64	9.5	269	74	11.0	311
5	0.74	21	15	2.2	63	65	9.6	273	75	11.1	315
6	0.89	25.2	16	2.4	67.2	66	9.8	277	76	11.3	319
7	1.0	29.4	17	2.5	71.4	67	9.9	281	77	11.4	323
8	1.2	33.6	18	2.7	75.6	68	10.1	286	78	11.6	328
9	1.3	37.8	19	2.8	79.8	69	10.2	290	79	11.7	332
10	1.5	42	20	3.0	84	70	10.4	294	80	11.9	336

For packages that contain 1-20 yellow ProTabs: Each package also contains 40 ProActivators 2.4 ounces (64 grams)

For packages that contain more than 60 yellow ProTabs: Each package also contains 160 ProActivators, 9.6 ounces (256 grams).

<Net Contents on package> <Material No. on package>

<Batch No. on package> <Label No.>

EPA Reg. No. 71297-EPA Est. No. 707-WA-001

<Bubbles Background ; SmartFresh logo> Made in U.S.A.

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. USA 19106

<FRONT PAGE OF BOOKLET>

Easy Preparation · Simple Instructions

SmartFresh ProTabs

OPEN

Protects harvested fruit and vegetables from the various effects of ethylene.



ACTIVE INGREDIENT: 1-Methylcyclopropene

OTHER INGREDIENTS

OTHER INGREDIENTS
Total:

2.0%

98.0% 100.0%

Keep Out Of Reach Of Children
CAUTION

See Inside for First Aid Statement

EPA REGISTRATION NO. 71297-EPA EST. NO. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. USA 19106

<Label No.>

Quick Guide

- 1. Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2. Check labels to confirm that the number of SmartFresh ProTabs in the tablet package and the size of the SmartFresh ProPack correspond to the size of the room. Match the color code of the tablet package with that of the ProPack.





or

- 3. Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4. Set the ProPack on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the ProTabs package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.







ADD.



GO.

- 5. Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6. After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7. Remove the used ProPack and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8. Store treated fruit according to industry best practices.

See inside for additional precautionary statements.

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

	FIRST AID
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
	HOTLINE 1-215-592-3000

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on apples
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealiness in apples
- Reducing chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55°F, 13°C) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fruits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions.

Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

Apples: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching Color Stage 4.

Broccoli: Apply SmartFresh as soon after harvest as possible.

<u>Kiwifruit</u>: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

Persimmons: Apply SmartFresh as soon after harvest as possible.

<u>Tomatoes</u>: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

Pears, Asian pears: Apply SmartFresh as soon after harvest as possible.

<u>Peaches, Nectarines, Plums, Plumcots, and Apricots:</u> Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. There are two sizes of the release vessel, called SmartFresh ProPack. The medium size contains one (1) liter of solution; the large size contains four (4) liters of solution. When the entire contents of a tablet package are added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Select the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 40 feet long x 30 feet wide, the treatment volume would be $20 \times 40 \times 30 = 24,000$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Example:
 - To treat 24,000 ft³ space for apples, divide 24,000 by 1350 and use seventeen (17) yellow ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Сгор	Rate One YELLOW ProTab treats
Apples, Asian Pear, Avocado, Broccoli	1350 ft ³ - 1800 ft ³
Pear	2100 ft ^{3 -} 4400 ft ³
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	2650 ft ^{3 -} 3000 ft ³
Banana	1350 ft ³ – 5300 ft ³

c.) Select the appropriate size and number of SmartFresh ProPacks. For best results, for medium size spaces, use the yellow ProTabs and the medium (1 liter) ProPack. No more than 20 yellow ProTabs per medium ProPack. For larger spaces that require more than 60 yellow SmartFresh ProTabs use the large (4 liter) SmartFresh ProPack. No more than 80 yellow ProTabs per large ProPack.

MEDIUM (1 li ProPacks	ter)	LARGE (4 liter) ProPacks			
Number	Number	Number	Number		
YELLOW ProTabs	ProPacks	YELLOW ProTabs	ProPacks		
1-20	1	61-80	1		

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluate of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

18 To 18

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition

No missing rubber

No large cracks

No plastic slat doors No side doors

- Scrubbers and/or ozone generators are off
- Step 3: Fill the treatment space with the fruit or vegetables to be treated
- Step 4: Start the application to release SmartFresh active ingredient
 - a) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
 - b) Remove the tear strip from the SmartFresh ProPack taking care not to spill the solution.
 - c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the solution in the corresponding ProPack.
 - d) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
 - e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the SmartFresh ProTabs to the solution.
 - f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
 - g) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
 - h) For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

<SUBLABEL A: Yellow → blets>

Step 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or

at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for

recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.

To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

SmartFresh™ is a registered trademark of AgroFresh, Inc./Rohm and Haas company U.S. Patents 5,518,988, 6,017,849 and 6,762,153

AgroFresh Inc.
A Fully-Owned Subsidiary of Rohm and Haas company
100 Independence Mall West, Philadelphia, PA 19106 (215) 592-3000

71297-RN SmartFresh™ ProTab March 1, 2012 Page 10 of 21 <SUBLABEL B: Pink Ta.

<FRONT PANEL>

Use only with 200mL ProPack

SmartFreshTM ProTabs

BEFORE USING THIS PRODUCT, READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

USE ENTIRE CONTENTS AFTER OPENING

Net Contents:

Pink Tabs	Ounces	Grams												
1	0.03	0.84	6	0.18	5.0	11	0.33	9.2	16	0.47	13.4	21	0.62	17.6
2	0.06	1.6	7	0.21	5.9	12	0.36	10.1	17	0.50	14.3	22	0.65	18.5
3	0.09	2.5	8	0.24	6.7	13	0.39	10.9	18	0.53	15.1	23	0.68	19.3
4	0.12	3.4	9	0.27	7.6	14	0.41	11.8	19	0.56	16.0	24	0.71	20.2
5	0.15	4.2	10	0.30	8.4	15	0.44	12.6	20	0.59	16.8	25	0.74	21.0

Each package also contains 8 ProActivators – 0.48 ounces (12.8 grams).

<Net Contents on package> <Material No. on package>

<Batch No. on package> <Label No. >

EPA Reg. No. 71297-EPA Est. No. 707-WA-001

<Bubbles Background ; SmartFresh logo>

Made in U.S.A. AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. USA 19106

<FRONT PAGE OF BOOKLET>

Easy Preparation · Simple Instructions

SmartFreshTM ProTabs

OPEN

Protects harvested fruit and vegetables from the various effects of ethylene.







ACTIVE INGREDIENT: 1-Methylcyclopropene

2.0% 98.0%

OTHER INGREDIENTS

100.0%

Total:

Keep Out Of Reach Of Children **CAUTION**

See Inside for First Aid Statement

EPA REGISTRATION NO. 71297-EPA EST. NO. 707-WA-001

AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. USA 19106

<Label No.>

Quick Guide

- 1. Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.
- 2. Check labels to confirm that the number of SmartFresh ProTabs in the tablet package and the size of the SmartFresh ProPack correspond to the size of the room. Match the color code of the tablet package with that of the ProPack.



- 3. Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.
- 4. Set the ProPack on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the ProTabs package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.







OPEN.

ADD.

GO.

- 5. Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.
- 6. After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.
- 7. Remove the used ProPack and dispose of it and its contents either on site or at an approved waste-disposal facility.
- 8. Store treated fruit according to industry best practices.

See inside for additional precautionary statements.

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

	FIRST AID					
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. 					
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice 					
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye Call a poison control center or doctor for treatment advice. 					
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. 					
	HOTLINE 1-215-592-3000					

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on apples
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealiness in apples
- Reducing chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55°F, 13°C) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fruits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions.

Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

<u>Apples</u>: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

<u>Avocados</u>: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching Color Stage 4.

Broccoli: Apply SmartFresh as soon after harvest as possible.

<u>Kiwifruit</u>: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

Persimmons: Apply SmartFresh as soon after harvest as possible.

<u>Tomatoes</u>: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

Pears, Asian pears: Apply SmartFresh as soon after harvest as possible.

<u>Peaches, Nectarines, Plums, Plumcots, and Apricots:</u> Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method and Rate

Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. The release vessel is called SmartFresh ProPack. The small size contains 200 mL of solution. When the entire contents of a tablet package are added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Select the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 15 feet long x 15 feet wide, the treatment volume would be $20 \times 15 \times 15 = 4,500$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Example:
 - To treat a 4,500 ft³ space for tomatoes, divide 4,500 by 530 and use eight (8) pink ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Crop	Rate One PINK ProTab treats
Apples, Asian Pear, Avocado, Broccoli	270 ft ³ - 360 ft ³
Pear	420 ft ³ - 880 ft ³
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	530 ft ³ - 600 ft ³
Banana	270 ft ³ - 1060 ft ³

c.) Select the appropriate number of SmartFresh ProPacks. For best results with small spaces, use the pink ProTabs and the small (200 mL) ProPack. No more than 25 pink ProTabs per ProPack.

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluate of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition

No missing rubber No large cracks
No plastic slat doors No side doors

- Scrubbers and/or ozone generators are off
- Step 3: Fill the treatment space with the fruit or vegetables to be treated
- Step 4: Start the application to release SmartFresh active ingredient
 - i) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
 - j) Remove the tear strip from the SmartFresh ProPack taking care not to spill the solution.
 - k) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the solution in the corresponding ProPack.
 - l) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
 - m) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the SmartFresh ProTabs to the solution.
 - n) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
 - o) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
 - p) For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Allow reentry into the storage space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for

recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, all of which are beyond the control of AGROFRESH INC. or its direct or indirect distributors. To the extent permitted by applicable law, Buyer and User agree to hold AGROFRESH and its distributors harmless from any claims relating to such factors.

AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.

To the extent permitted by applicable law, in no event shall AGROFRESH or its distributors be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AGROFRESH AND ITS DISTRIBUTORS, FOR ANY AND ALL CLAIMS. LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AGROFRESH OR ITS DISTRIBUTORS, THE REPLACEMENT OF THE PRODUCT.

AGROFRESH and its distributors offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of AGROFRESH.

SmartFresh™ is a registered trademark of AgroFresh, Inc./Rohm and Haas company U.S. Patents 5,518,988, 6,017,849 and 6,762,153

> AgroFresh Inc. A Fully-Owned Subsidiary of Rohm and Haas company 100 Independence Mall West, Philadelphia, PA 19106 (215) 592-3000

> > 71297-RN SmartFresh™ ProTab March 1, 2012 Page 10 of 21



RE: Corrected and edited Draft Label for 71297-RN Beaulieu, Ann Hecht Dr to: Gina Burnett

02/22/2012 10:21 PM

Gina,

Appreciate your help in simplifying the label.

There are two size tablets, the smaller one is pink and the larger one is yellow. Of course they are the same weight percent ai and differ only in color and net weight. We thought we would have the pink and yellow on the same label. Both sizes can be used in the same crops. The size selection is a matter of the indoor space, that is the size of the pack house, sea container.

In this application, the space is a fixed number of cubic feet. And each tablet is a fixed amount of active ingredient. So to get the closest allowed dose possible in a.i. per cubic feet, we created the two size tablets. The smaller pink tablet is best for small indoor spaces; the larger yellow tablet better for large indoor spaces.

For example, an apple packer in Michigan who has smaller rooms, would prefer to use the pink size. In the state of WA where the apple rooms are much larger, they would prefer the yellow tablets which allows them to use fewer tablets and get the same rate as NY user. In the end they get the same rate. The difference is how many tablets it takes in the space.

Looking at the rate table in the draft label, you can see that the ratio of pink to yellow is always 1 to 5. In a large storage facility, it would be easier to simply remove the tear strip of one 20 yellow tablet package and a single 1L solution pouch instead of removing the tear strips from 4 packages of 25 pinks each and four 200 mL solution pouches for a total of 100 pinks.

I hope this helps. If you would like to discuss, just let me know when is a good time to call you. If you think having two sublabels, one for smaller pink and one for larger yellow, is clearer, I can do that. I would want all crops on the two labels.

Anything else, please let me know.

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

Office: +1-215-619-5534; Fax: +1-215-619-1646 Mobile: +1-267-357-9239 or +1-215-205-9303 727 Norristown Road, Spring House, PA 19477-0904

----Original Message----

From: Gina Burnett [mailto:Burnett.Gina@epamail.epa.gov]

Sent: Tuesday, February 21, 2012 12:38 PM

To: Beaulieu, Ann Hecht Dr

Subject: Re: Corrected and edited Draft Label for 71297-RN

Hi Ann,

Will the Sublabels be used in different markets? Please explain so I can

understand the label better for editing. Or are the sublabels indicating Pink vs Yellow tabs? Just want to understand the background story better so I can make this label as simple (and short) as possible for you.

Best Regards, Gina

Gina M. Burnett, M.S.
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division (7511P)
Office of Pesticide Programs
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, DC 20460-0001
burnett.gina@epa.gov
(703) 605-0513 (phone)
(703) 305-0118 (fax)
http://www.epa.gov/pesticides/

From:

"Beaulieu, Ann Hecht Dr" <ABeaulieu@agrofresh.com>

To:

Gina Burnett/DC/USEPA/US@EPA

Date:

02/16/2012 11:18 AM

Subject:

Corrected and edited Draft Label for 71297-RN

Hi, Gina,

Can you please replace the current draft label with this version of the SmartFresh ProTabs label? I found a typo and I also reformatted to make it clearer (hopefully) what is the front panel on the package and what is the booklet on the second side of the tablet package.

If you have any questions, please let me know. Thank you very much.

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

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[attachment "071297-000RN.20120216_SmartFresh ProTabs.doc" deleted by Gina Burnett/DC/USEPA/US]

Hi, Gina, mangoes and papayas are not registered in CA.

Any feedback on the question with regard to the activator solution and activator tabs that do not have any active ingredient? Recall, as in SmartFresh SmartTabs (71297-3), the inerts of these two separate parts are not included on the CSF for the AF-777 (71297-RN).

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

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----Original Message----

From: Gina Burnett [mailto:Burnett.Gina@epamail.epa.gov]

Sent: Monday, February 13, 2012 10:25 AM

To: Beaulieu, Ann Hecht Dr

Subject: Re: Revised Draft Label for 71297-RN

Hi Ann,

A quick question for you -

Why was the choice made for including mangoes and papayas on sublabel A and not on sublabel B? Are these intended for different states and/or applicators?

Thanks!

Gina M. Burnett, M.S.
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division (7511P)
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U.S. Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, DC 20460-0001
burnett.gina@epa.gov
(703) 605-0513 (phone)
(703) 305-0118 (fax)
http://www.epa.gov/pesticides/

From: "Beaulieu, Ann Hecht Dr" <ABeaulieu@agrofresh.com>

To: Gina Burnett/DC/USEPA/US@EPA

Date: 01/27/2012 02:48 PM

Subject: Revised Draft Label for 71297-RN

Gina,
Thanks for your phone call on SmartFresh ProTabs. As I said
yesterday, this is a three part system similar to SmartFresh SmartTabs,
71297-3. So I followed that guideline and listed the ingredients for
the one part that contains active ingredient. Only one part, the
SmartFresh ProTabs, contain active ingredient, 1-MCP. Therefore, the

The other two parts do not contain active ingredient and are never in contact with fruit. The activator solution is and the ProActivator is

liquid is never in contact with the fruit and the used liquid should be disposed of according to the label directions. I hope this helps explain why the ingredients of the ProTab with 1-MCP are listed on the CSF.

Also, please substitute the attached label for the label review. If you need anything else, please let me know.

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

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CSF only contains the ingredients in that tablet.

[attachment "071297-000RN.20120120_SmartFresh ProTabs.doc" deleted by Gina Burnett/DC/USEPA/US]



1-methylcyclopropene (1-MCP)

Decision No. 453045 PC Code 224459

DP No. 393983 EPA Reg. 71297-RN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **WASHINGTON, D.C. 20460**

MAN 0 1 2012

OFFICE OFCHEMICAL SAFETY AND POLLUTION PREVENTION

MEMORANDUM

DATE:

Jan. 19, 2012

SUBJECT:

Science review of SmartFresh ProTabs, containing 2.0 % w/w 1-

methylyclopropene (1-MCP), as its active ingredient.

Decision Number:

453045

DP Number:

393983

EPA File Symbol Number:

71297-RN

Chemical Class:

Biochemical

PC Code:

224459

CAS Number:

3100-04-7

Active Ingredient Tolerance Exemptions:

40 CFR 180.1220

MRID Numbers: 485673-01 to 485673-12

FROM:

Clara Fuentes

Biochemical Pesticides Branch

Biopesticides & Pollution Prevention Division (7511P)

TO:

Gina Burnett, Regulatory Action Leader

Biochemical Pesticides Branch

Biopesticides & Pollution Prevention Division (7511P)

ACTION REQUESTED

AgroFresh, Inc., a Rohm and Haas Company, has submitted signed copies of CSFs for the manufacturing use product, MP-SF in SmartFresh ProTabs, dated 08-17-1; copies of CSFs for basic and alternate formulations of SmartFresh ProTabs, and copies of proposed product label; acute mammalian toxicity studies in MRIDs 485673-01 to 485673-06; rationale in lieu of acute non-target organisms' toxicity studies in MRIDs 485673-07 to 485673-10, and product chemistry in MRIDs 485673-11 and 485673-12, in support of registration of new SmartFresh ProTabs formulation.

BACKGROUND INFORMATION

SmartFresh ProTabs is produced from registered source, manufacturing use product, MP- HAIP (EPA No. 71297-4), also referred to as MP –SF. The product, SmartFresh ProTabs, is a coated tablet intended for the same postharvest use as currently registered product SmartFresh SmartTab (EPA No. 71297-3). Its name is synonymous with the experimental designation AF-777, and AF-777 is the same formulation as SmartFresh ProTabs. SmartFresh ProTabs' basic and alternate formulations differ in color and tablets size. The basic formulation is for large size tablets, 4.2 g / tablet (0.15 ounces), dyed yellow, and the alternative formulation is for small size tablets, 0.84 g / tablet (0.03 ounces), dyed pink. The different tablet sizes are intended for treating spaces of different capacity as indicated on the product label, Application Method and Rates.

RECOMMENDATIONS AND CONCLUSIONS

Product Chemistry: Product chemistry data are acceptable pending resolution of the discrepancy between the name of the product stated on the CSFs for basic and alternate formulations, and that on the product label.

- 1. The product name stated on the CSFs is "Smart Fresh ProTabs (AF-777)" while it appears as "Smart Fresh ProTabs" on the label. The name of the product on both, the CSFs and the label, needs to be consistent.
- 2. The CAS number for one of the inert ingredients in the registered manufacturing use product, MP-SF or MP-HAIP, should be corrected. Refer to Confidential Appendix for information on product composition.

Note to RAL: Deficiency #2 refers to an error on the CSF of the active ingredient that is currently registered.

Toxicity: Acute mammalian toxicity studies are acceptable. The product is within the range of toxicity category IV for low mammalian toxicity for all routes of exposure, except for dermal irritation. The product is a moderate skin irritant within toxicity category III.

Non-Target organisms: Data are acceptable. Non-target organisms' data requirements have been met satisfactorily. In lieu of conducting additional testing, the registrant has adequately addressed non-target organisms' data requirements individually with rationale and referenced studies conducted on 3.6 % w/w 1-methylcyclopropene based product.

STUDIES SUMMARY

Product Chemistry

Refer to Confidential Appendix for information on Product Identity and Composition; Description of Materials Used to Produced the Product; Description of Formulation Process; Discussion of Formation of Impurities; Preliminary Analysis; Certified Limits, and Enforcement Analytical Methods.

Guid	leline Reference No./Property	Description of Result	Methods			
830.6302	Color	Yellow and pink depending on color of the tablet coating dye	Visual inspection			
830.6303	Physical State	Solid; tablets	Visual inspection			
830.6304	Odor	Sweet smell	Qualitative comparison with characteristics odors.			
830.6313	Stability	1-MCP content was within certified limits of 2.0% ± 20% after 14 days at 54°C ± 2°C	Capillary gas chromatography			
830.6314	Oxidation/Reduction: Chemical Incompatibility	Compatible with water; oxidizing agents: aqueous sodium chlorate, and reducing agent: zinc dust	Mixing with electrical stirrer			
		Incompatible with fire extinguishing agent: mono-ammonium phosphate.				
830.6315	Flammability	N/A				
830.6316	Explodability	Product does not contain explosive ingredients	Differential Scanning Calorimetry (DSC)			
830.6317	Storage Stability	Data pending	Two years study initiated			
			August -2011			
830.6319	Miscibility	N/A, the product is not an emulsifiable liquid.				
830.6320	Corrosion Characteristics	Not corrosive as packaged after 14 days at 54°C ± 2°C	Visual inspection			
		(Commercial packaging of plastic laminated foil pouch)				
830.6321	Dielectric Breakdown Voltage	N/A, the product is not for use around electrical equipment				
830.7000	рН	8.38 of 1% solution of AF-777 1MCP formulation in water	pH meter and glass electrode			
830.7050	UV/Visible Absorption	Not required for EP				
830.7100	Viscosity	N/A the product is not a iquid				
830.7200	Melting Range	Not required for EP				
830.7220	Boiling Range	Not required for EP				
830.7300	Density/Relative Density/Bulk	Yellow tablets:				
	Density	Pour density = 0.7924 g/ml				
		Tap density = 0.8050 g/ml	Glass measuring cylinder			
		Pink tablets:				
		Pour density = 0.8805 Tap density = 0.8925				
920 7550	Position Coefficient	Not required for EP				
830.7550	Partition Coefficient	Not required for EP				
830.7840	Water Solubility					
830.7950	Vapor Pressure	Not required for EP				

Toxicity

Study Type/OPPTS Guideline	LD ₅₀ /LC ₅₀ /Results	Toxicity Category	MRID
Acute Oral Toxicity/OPPTS 870.1100	> 5,000 mg/kg	IV	485673-01
Acute Dermal Toxicity/OPPTS 870.1200	> 5,000 mg/kg	IV	485673-02
Acute Inhalation Toxicity/OPPTS 870.1300	> 5.13 mg/L	IV	485673-03
Acute Eye Irritation/OPPTS 870.2400	cleared by 48 hours	IV	485673-04
Acute Dermal Irritation/OPPTS 870.2500	Moderate irritant	III	485673-05
Skin Sensitization/OPPTS 870.2600	Not skin sensitizer		485673-06

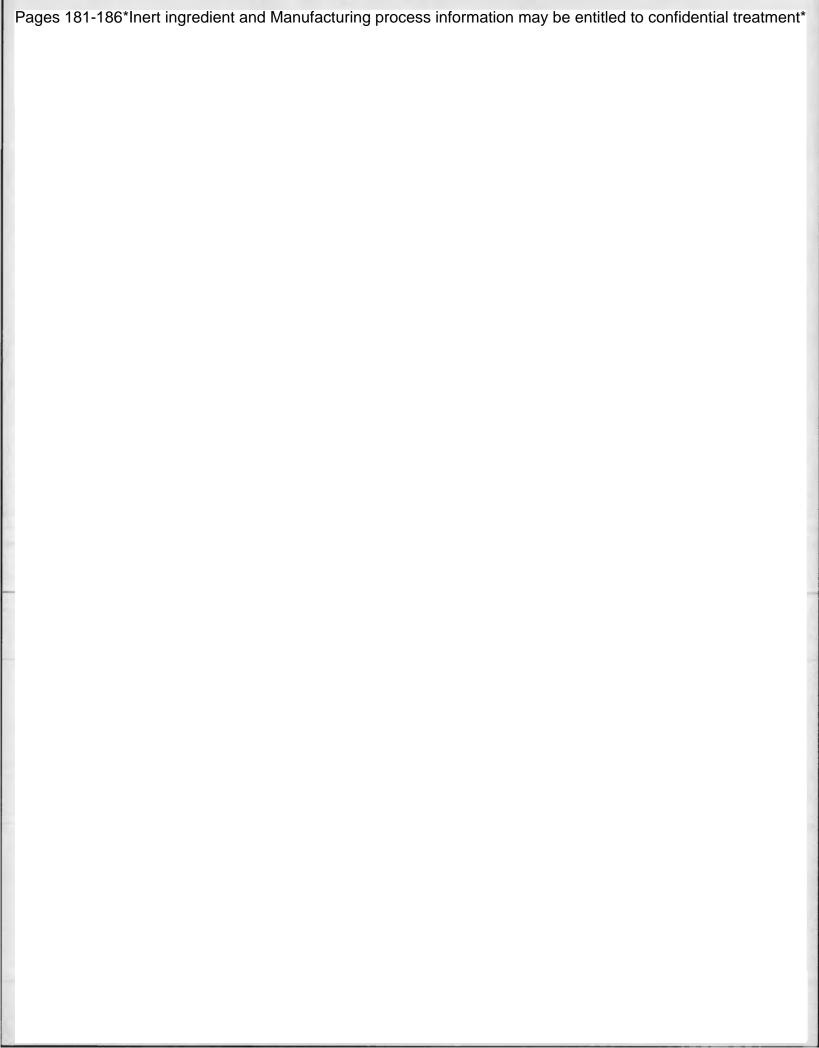
Non-Targets

Study Type/OPPTS Guideline	LD ₅₀ /LC ₅₀ /Results	Toxicity Category	MRID
Avian Acute Oral/OPPTS 850.2100	>2250 mg/kg ^a	Practically non-toxic	Cited 472049-17 in 485673-07
Avian Dietary/OPPTS 850.2200	> 5620 mg/kg	Practically non-toxic	Cited 470249-18 in 485673-10
Freshwater Fish LC50/OPPTS 850.1075	96-hr >0.750 mg/L and 96 > 0.966 mg/L	Highly toxic	Cited 470886-10 and 470249-15 in 485673-08
Freshwater Invertebrate/OPPTS 850.1010	48 hr > 0.678 mg/L and 48 hr > 0.776 mg/L	Highly toxic	Cited 470886-09 and 470249-14 in 485673-09
Non-target Plants/OPPTS 850.4000	N/A		
Non-target Insects	N/A		

Data is from non-target acute toxicity studies conducted on 1-methylcyclopropene based product, containing higher concentrations of the same active ingredient, 3.6% w/w 1-MCP, referenced in MRIDs 485673-07 to 485673-10.

In addition, the registrant provides the following justification for not conducting product specific non-target studies:

- 1. The use pattern of the tablet formulation which is dissolved in a dilute activator solution in a volume that is 1 liter or less, significantly limits exposure of fish, aquatic invertebrates, and avian species to the active ingredient.
- 2. The inert ingredients remain diluted in the activator solution, limiting exposure of fish, aquatic invertebrates and avian species to inert components.
- 3. According to 40 CFR § 158.2060, test is not required for any use group if the pesticide is highly volatile (>5.0 E-05 atm m³/mol). The product is intended solely for indoor use, and 1-MCP has an estimated volatility = 7.79 E-01 atm/m³/mol.
- 4. Used according to label instructions, only the active ingredient, 1-Methycyclopropene, is released into the indoor storage facility. Indoor use significantly limits the exposure of fish, aquatic invertebrates and avian species to active ingredient and inert components.



BPPD New Product/Registered AI Source Readiness Screen

Date: 9/12/2011

Review Date: 9/12/2011

File Symbol No.: 71297-RN

Reviewers: Gina Casciano, Jacob Moore, John Fournier

Pass/Fail: PASS

Hours Worked: 0.5

	Checklist Item	Yes	No	N/A	Comments
1.	Personal		E	orms	
a.	8570-1: Application for Registration		X		Application form is not dated and no PM is listed. Applicant must correct.
b.	8570-4: CSF	X			
c.	8570-27: Formulator's Exemption			Х	They own the AI.
d.	8570-34: Certification with Respect to Data	X			
e.	8570-35: Data Matrix	Х			
2.	Confidential Statemen	t of For	nula (C	SF)-rev	iew for alternate formulations too
a.	Signed and dated	X			
b.	Food-use? (If no, skip to 1e.)	X			
C.	All inerts cleared for food-use	X			
d.	Active cleared for food-use	X			
e.	All inerts cleared for nonfood- use (skip if food-use)			X	
f.	Conventional or antimicrobial actives present?			X	
g.	CSF accurately reflects label	Х			
h.	Active(s) + Inert(s) = 100%	Х			
i.	CAS #s for all inerts	X			
j.	Chemical names provided for inerts	X			
k.	Units in all applicable boxes	X			
I.	Proprietary inerts? If so, is info. on file with the Agency?		X		
m.	Supplier information adequately listed	X			
n.	Certified limits correct?	X			

0.	If certified limits are outside recommended range, explanation provided?		X	
s.	Alternate formulations?	X		Alt 1 (colorant change).
t.	Are alternate formulations actually alternate and not a new product?		X	
u.	Is Reg. No. of source of AI on CSF?	X		
3.		descripe a 2 s. p.	Data Matrix	
а.	Separate data matrix for the product	X		
b.	All product chemistry/product analysis data requirements addressed (guideline by guideline)	Х		
c.	All mammalian/human health toxicology/ pathogenicity data requirements addressed (guideline by guideline)	Х		
d.	All Tier 1 nontarget organism toxicology/ pathogenicity data requirements addressed (guideline by guideline)		X	
	Efficacy data (if public health		X	
e.	pests on label)			
f.	HSRB review required?		X	
4.	Di	ita Regu	ilrements-Gui	ideline Studies
Note	e: This section is for submitted gui	deline s	tudies only. S	See below for waivers and rationales.
a.	Product chemistry: do all submitted studies appear to satisfy the data requirements?	X		
b.	Toxicology: do all submitted studies appear to satisfy the data requirements?	Х		
c.	Nontargets: do all the submitted studies appear to satisfy the data requirements?		X	
d.	Other (residue data, special studies, etc.)		X	
5.		, , ,	Requirement	
	e: This section is for waivers only.	This do	es not apply t	to rationale submitted to satisfy the data
а.	Are there any requests for waivers? Please note.		X	

b.	For each applicable data		X	
	requirement, does the waiver			
	request have a separate			
	scientific rationale justifying			
	why testing is not applicable?			
c.	Does each waiver request		X	
	seem reasonable and justified?			
6.				onales/Literature
	e: This section is for rationales only iirements.	y. This ac	oes not app	ly to requests submitted to waive the data
a.	Have rationales been	x	1	For Non-target data requirements,
a.	submitted in lieu of guideline	^		however these requirements do not need
	studies? Please note.			to be addressed for EPs.
b	Does each rationale have		X	
	scientific literature citations			
	where applicable?			
C.	Are the rationale and scientific		X	
	citations organized in			
	reasonable order to facilitate			
	timely review and is each			
	guideline addressed			
	individually?			
d.	Are copies of cited scientific		X	
	literature included in the			
	package?		V	
	Does the rationale appear to		X	
e.	be reasonable and scientific?		Label	
7.	Product of the Posticide		<u>Label</u>	
a.	Restricted Use Pesticide statement (If applicable)		X	
b.	Product name, brand or	X		
	trademark			
c.	Ingredient statement correct?	X		
	Microbial: strain designation			
	Microbial: potency designation		- 1	
d.	"Keep Out of Reach of	Х		
	Children" (KOOROC)			
	Statement			
e.	Signal word	X		
f.	First aid statement	X		
g.	Net contents/net weight	X		
h.	EPA Reg. No. and	Х		
	Establishment No.			
i.	Company name and address	X		

j.	Precautionary statement: hazards to human and domestic animals Microbial: dusk mask statement	X		
k.	Environmental hazards	X		
I.	Physical and chemical hazards (if app.)		X	
m.	Directions for use	X		
m.	Storage and disposal	X		
0.	Warranty statement	X		
p.	Worker protection		X	Not required for post-harvest use.
q.	Batch code	X		

21-Day Screen Completed by Contractor

21-Day Expires on _____ & -30-11

Jacket # 7/297 - RN MRID# 485 673

Content Screen: Recommend to Pass/Fail

86-5 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

LEONARD Cole

PRIA 2 – 21 Day Content Screen Review Worksheet (EPA/OPP Use Only)

21 Day Screen Start Date: 8-9-1, 3/23/09

Experts In-Processing Signature: 8.8 Date 8-12-11 Fee Paid: Yes

Divi	sion management contacted on issues NoYesD	ate				
EPA	Reg. Number: 7/297-RN EPA Receipt Date: 8-	9-11				
	Items for Review		Yes	No	N/A*	
1	Application Form (EPA Form 8570-1)(link to form) signed & con including package type		×			
	Confidential Statement of Formula all boxes completed, form signated (EPA Form 8570-4) (Link to form)	gned, a	nd	×		
2	a) All inerts (link to http://www.epa.gov/opprd001/inerts/),	yes	no			
	including fragrances, approved for the proposed uses (see Footnote A) James approved for fooduse and 900	X				
3	Certification with Respect to Citation of Data (EPA Form 8570-form) completed and signed (N/A if 100% repack)	ink to	×			
	Certificate and data matrix consistent					
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	no				
4	If applicable, is there a letter of Authorization for exclusive use on Formulator's Exemption Statement (EPA Form 8570-27) (Link completed and signed (N/A if source is unregistered or applicant or technical)				×	
	Data Matrix (EPA Form 8570-35) (Link to form) both internal and copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if repack)	nal	×			
5	a) Selective Method (Fee category experts use)	no			TIL 1	
	b) Cite-All (Fee category experts use)				10	
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (link to http://www.epa.gov/oppfead1/labelin (Electronic labels on CD are encouraged and guidance is availately http://www.epa.gov/pesticides/regulating/registering/submissions/index.http://www.epa.gov/pesticides/regulating/registering/submissions/index.http://www.epa.gov/oppfead1/labelin	ble)(li	nk to	×		

7	Is the data package consistent with PR Notice 86-5 (link to PRN 86-5)	X	
8	Notice of Filing (link to http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm) included with petitions (link to http://www.epa.gov/pesticides/regulating/tolerances.htm)		×
9	If applicable for conventional applications, reduced risk rationale (link to http://www.epa.gov/opprd001/workplan/reducedrisk.html)		X
10	Required Data (link to http://www.epa.gov/pesticides/regulating/data_requirements.htm) and/or data waivers. See Footnote C. a) List study (or studies) not included with application		



Sacket Pass 86-5 Pass

PG

MRID 485673

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are strongly encouraged to verify that all inert ingredients have been approved for the application's uses even if a product is currently registered by consulting the inert Web

site [link to http://www.epa.gov/opprd001/inerts/lists.html] and if the inert is not approved, to obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to http://www.epa.gov/opprd001/inerts/tips.pdf] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

- 1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
- 2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

- 1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
- 2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)
- 3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

- 1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
- 2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

- B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.
- C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

Inert ingredient information may be entitled to confidential treatment



RE: Your submission to EPA (Reg. No. 71297-RN)
Beaulieu, Ann Hecht Dr (H) to: Fiker Getachew

08/18/2011 03:12 PM

1 attachment



71297RN_ Revised CSF.pdf

Here is the signed revised CSFs. Sorry about that.

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

Office: +1-215-619-5534; Fax: +1-215-619-1672
US Mobile: +1-215-205-9303; Intl Mobile: +1-267-357-9239
727 Norristown Road, Spring House, PA 19477-0904

----Original Message----

From: Getachew.Fiker@epamail.epa.gov [mailto:Getachew.Fiker@epamail.epa.gov]

Sent: Thursday, August 18, 2011 7:48 AM

To: Beaulieu, Ann Hecht Dr (H)

Subject: RE: Your submission to EPA (Reg. No. 71297-RN)

Dear Dr. Beaulieu,

The CSFs you sent me yesterday are not signed. Can you please sign it and send it again?

Thank you

Fiker Getachew EPA Contractor 703-305-6472

From: "Beaulieu, Ann Hecht Dr (H)" <ABeaulieu@agrofresh.com>

To: Fiker Getachew/DC/USEPA/US@EPA

Date: 08/17/2011 02:33 PM

Subject: RE: Your submission to EPA (Reg. No. 71297-RN)

Dear Fiker,

Thanks for your email. Below I have responded to each of the deficiencies cited in your email below.

1. Revised 8570-34 faxed to the fax number below. Please confirm receipt.

2. CSF corrected with correct CAS # for

3. CSF corrected with approved used in the formulation; MSDS included also.

Attached revised CSF and correct MSDS.

Anything else, let me know. Thanks.

Inert ingredient information may be entitled to confidential treatment

Ann Beaulieu Director, Regulatory Affairs Manager, Davis R&D Lab

+1-215-619-5534; Fax: +1-215-619-1672 Office: US Mobile: +1-215-205-9303; Intl Mobile: +1-267-357-9239 727 Norristown Road, Spring House, PA 19477-0904

----Original Message----

From: Getachew.Fiker@epamail.epa.gov [mailto:Getachew.Fiker@epamail.epa.gov] Sent: Wednesday, August 17, 2011 10:05 AM

To: Beaulieu, Ann Hecht Dr (H)

Subject: Your submission to EPA (Reg. No. 71297-RN)

Dear Dr. Beaulieu,

We have found the following deficiencies upon reviewing your application package for SmartFresh ProTabs (Reg. No. 1297-RN). You have selected the "Cite all" method in the Certification with Respect to Citation of Data form, but since you own some of the data you need to check the "cite-all option under selective method".

In-addition, We have the following issues regarding the inerts listed in the CSF. doesn't much the CAS No. listed. Also, is not approved for food use. Please make the necessary changes and send me a revised CSF.

We are still reviewing the data you submitted with your application package. We will notify you if we encounter any 86-5 issues.

The revised form can be faxed to 703-305-5060/Attn: Fiker Getachew or emailed to me.

Thank you!

Fiker Getachew EPA Contractor 703-305-6472

[attachment "SF ProTabs_CSF 8570_basic_17AUG2011.doc" deleted by Fiker Getachew/DC/USEPA/US] [attachment "SF ProTabs_CSF 8570_alternate_17AUG2011.doc" deleted by Fiker Getachew/DC/USEPA/US] [attachment .pdf" deleted by Fiker

Getachew/DC/USEPA/US]



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

August 11, 2011

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OPP Decision Number: D-453045

EPA File Symbol or Registration Number: 71297-RN

Product Name: SMARTFRESH PROTABS

EPA Receipt Date: 09-Aug-2011 EPA Company Number: 71297

Company Name: AGRO FRESH INC.

ANN BEAULIEU AGRO FRESH INC. C/O ROHM AND HAAS COMPANY 100 INDEPENDENCE MALL WEST PHILADELPHIA, PA 19105

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: B670

NEW PRODUCT; NON-FAST TRACK; MICROBIAL/BIOCHEMICAL;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-7973.

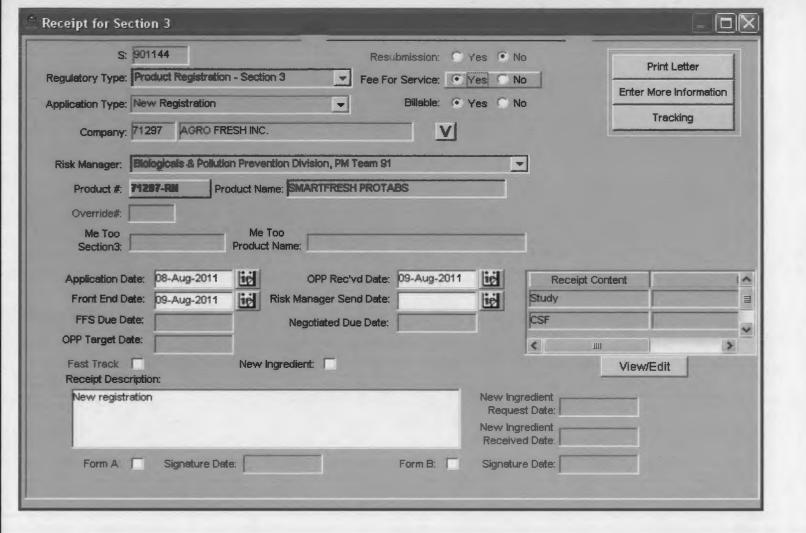
Sincerely,

Front End Processing Staff

Information Technology & Resources Management Division

Fee for Service {901144w~

This package includes the following	for Division				
 New Registration Amendment ✓ Studies? □ Fee Waiver? □ volpay % Reduction: 	○ AD ◎ BPPD ○ RD Risk Mgr. 91				
Receipt No. S-[EPA File Symbol/Reg. No. Pin-Punch Date:	901144 71297-RN 8/9/2011				
This item is NOT subject to	FFS action.				
Action Code:	Parent/Child Decisions:				
Requested: BG70 Granted: BG70 Amount Due: \$					
Inert Cleared for Intended Use Reviewer: And scw Page dand Remarks:	Uncleared Inert in Product Date: 8/10/11				



Rohm and Hass Company 100 Independence Mail West Philadelphia, PA 19106-2399



PAGE 1 OF 1

2100074 01 SD

T 6151

US ENVIRONMENTAL PROTECTION AGENCY PO BOX 979074 PESTICIDE REGISTRATION SERVICE FEE SAINT LOUIS MO 63197

RHAD1

CHECK NUMBER: 0500006981

DATE:

08/08/2011

VENDOR CODE: 0090029469

VENDOR REFEREN	INVOICE DATE 07/29/2011	REFERENCE DATE	GROSS '	DISCOUNT	NET AMOUNT	
CK072911		08/08/2011	4,631.00	0.00	4,631.0	
	1		TOTAL:	4,631.00	0.00	4,631.00

SmartFresh ProTabs (EPA Symbol No. 71297-RN)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK# 0500006981 ATTACHED BELOW

Rohm and Hass Company 100 Independence Mail West Philadelphia, PA-19106-2399

62-20 311

CHECK NUMBER: 0500006981

CHECK DATE: 08/08/2011

Four Thousand Six Hundred Thirty-one and 00/100 Dollars

PAY TO THE ORDER OF:

Commercial/financial information may be entitled to confidential treatment

. US ENVIRONMENTAL PROTECTION AGENCY

PO BOX 979074

PESTICIDE REGISTRATION SERVICE FEE

SAINT LOUIS MO 63197

\$\$\$\$\$\$\$\$\$\$\$4,631.00

NOT VALID AFTER 90 DAYS

CITIBANK, N.A. ONE PENN'S WAY, NEW CASTLE, DE 19720

#0500006981# #031100209#

Please read instructions on revers	e before completing form		Forn	n Approv	ved. OMB No. 2	2070-006	0. Approval expires 05-31-98		
				X	Registrat	ion	OPP Identifier Number		
⊕EPA E	United S nvironmental Pr		Agency		Amendm	ent			
	Washington,	DC 20460			Other				
	Applic	cation for	Pesticide - Se	ection	n l				
1. Company/Product Number						3. Pi	roposed Classification		
AgroFresh, Inc. / 71297-			Driss Benmhend			1			
4. Company/Product (Name)			PM#			1	None Restricted		
AgroFresh / SmartFresh™ Pro	Tabs						X • • • • •		
5. Name and Address of Appl	icant (Include Zip Code	e)	6. Expedited Re	view.	In accordanc	e with F	IFRA•Section 3(c)(3)		
AgroFresh Inc./Rohm and Haas C	ompany		(b)(l), my product to:	is simi	lar or identica	il in com	position and labeling		
727 Norristown Road Spring House, PA 19477-0904	, ,		EPA Reg. No.				••••		
Spring House, FA 18477-0804	X Check if this is a r	new address	Product Name		• 2	••••	*****		
	oriock in time to dire		ction - II		••	• • •	••••		
Amendment - Explain be	low.	000	Final printe		in response to)			
			Agency let				•		
Notification - Explain belo	ow.		X Other - Ex				••••		
Explanation: Use additional		For Section I		•					
This is an application for a Sec indoor, post harvest use.				ılation 1	l-methylcyclo	propene	(1-MCP) formulation for		
		Sec	tion - III						
1. Material This Product Wil	l Be Packaged In:					_			
Child-Resistant Packaging	Unit Packaging	W	Vater Soluble Packa	aging	2. Type of		er		
Yes*	Yes		Yes		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Metal			
X No	X No	No nor 16	X No	DOC	X	Plastic Glass			
* Contification must	Unit Packaging wgt.			. per ntainer					
* Certification must	Offit Packaging wgt.	Containe	Package wgt container Paper Other (Specify)				Specify)		
be submitted						Blister	Pack		
3. Location of Net Contents Ir	formation	4. Size(s) Re	etail Container	5.	Location of	Label D	irections		
Label X Con	tainer	0.03 – 11.9			X On La	hal			
Laber X Con	tan 161	0.03 - 11.9					accompanying product		
6. Manner in Which Label is A	Affixed to Product	Lith	ograph		Other				
	X Paper glued Stenciled								
		Sec	tion - IV						
1. Contact Point (Complete ite	ems directly below for i	identification o	of individual to be o	ontacte					
Name Ann Beaulieu	Title Direc	ctor, Regulato	rv Affairs		215-619		Include Area Code)		
74111 Boddinos	Certific		ny 7 mano		12.00.0	6. Date	e Application		
I certify that the statements I hav I acknowledge that any knowingl both under applicable law.						Rec	eived		
2. Signature		Director, Re	egulatory Affairs				(Stamped)		
Ann Bear	lied								



August 8, 2011

Document Processing Desk (APPL)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
Biopesticides and Pollution Prevention Division
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention: Linda Hollis, Chief, Biochemical Pesticides Branch, BPPD

Subject: Application for Section 3 Registration

SmartFresh[™] ProTabs (also AF-777) EPA Registration Number 71297-

Active Ingredient = 1-Methylcyclopropene (1-MCP)

AgroFresh, Inc., a wholly owned subsidiary of Rohm and Haas Company, which is a wholly owned subsidiary of The Dow Chemical Company, submits an application for a Section 3 registration for the product SmartFresh ProTabs, containing 2.0% of the active ingredient 1-methylcyclopropene (1-MCP). SmartFresh ProTabs is a formulated product produced from the EPA registered Manufacturing Use Product – SF, (EPA Registration No. 71297-4), also named Manufacturing Use Product – HAIP. This new formulation has been developed for the same postharvest use as the currently registered product SmartFresh SmartTab (EPA Registration No. 71297-3) on the same crops, at the same use rates, with similar use instructions.

SmartFresh ProTabs is synonymous with the experimental designation, AF-777. This experimental designation has been used in the submitted studies. SmartFresh ProTabs and AF-777 are identical. All studies conducted using the formulation named AF-777 are applicable to SmartFresh ProTabs.

The active ingredient, 1-MCP, is classified by EPA as a plant growth regulator structurally similar to ethylene and other naturally occurring plant materials and is regulated by the Biopesticide and Pollution Prevention Division. EPA has previously established an exemption from tolerance for the proposed use (40CFR 180.1220, April 5, 2007). Therefore, no change from the current exemption from tolerance is required.

The Signal Word proposed for SmartFresh ProTabs is CAUTION based on the results of acute toxicity testing submitted with this application. Included with this cover letter is a proposed label as well as the required product specific studies in triplicate. Additional administrative materials submitted with this letter are as follows:

- 1. Application Form (EPA Form 8570-1)
- 2. Confidential Statement of Formula (EPA Form 8570-4)
- 3. CSF for the Manufacturing Use Product-SF (71297-4) also named Manufacturing Use Product HAIP
- 4. Certification with Respect to Citation of Data (EPA Form 8570-34)
- 5. Data Matrix (EPA Form 8570-35) for New Submissions including blacked-out publicly releasable version
- 6. Data Matrix (EPA Form 8570-35) for Previously Submitted studies
- 7. Proposed Label for SmartFresh ProTabs (5 copies)

The Formulator's Exemption Statement (EPA Form 8570-27) is not required because the active ingredient, 1-methylcyclopropene, is synthesized in an *in situ* process during the manufacture of SmartFresh ProTabs.

Based on the Federal Register Noticed issued on August 11, 2010 in Volume 75, no. 154, this submission falls under EPA # B670 because it is a new biochemical product with an active ingredient that is currently registered by the Biopesticide and Pollution Prevention Division. According to the Fee and Agency Tracking Codes FY09/10 issued March 2009, this submission falls under B670 and the estimated registration fee is \$4631.

Please assign MRID numbers to the newly submitted studies listed on the attachment and return the completed attachment to me. Also, please contact me if you have any questions regarding this submission. I can be reached by phone at 215-619-5534, fax at 215-619-1672 or email at abeaulieu@agrofresh.com. Thank you.

Sincerely,

Ann Beaulieu, Ph.D.

Director, Regulatory Affairs

Ann Beaulieur

Attachments

Guideline Reference Number	Report Title and Number	MRID
OPPTS 870.1100	AF-777 Powder: 1-Methylcyclopropene Acute Oral Toxicity Up and Down Procedure in Rats, Study No. 100292, 17May2011	48567301
OPPTS 870.1200	AF-777 Powder: 1-Methylcyclopropene Acute Dermal Toxicity Study in Rats, Study No. 100293, 2June2011	48567302
OPPTS 870.1300	AF-777 Powder: 1-Methylcyclopropene Acute Inhalation Toxicity in Rats, Study No. 100315, 30March2011	48567303
OPPTS 870.2400	AF-777 Powder: 1-Methylcyclopropene Primary Eye Irritation Study in Rabbits, Study No. 100295, 25May2011	48567304
OPPTS 870.2500	AF-777 Powder: 1-Methylcyclopropene Primary Skin Irritation Study in Rabbits, Study No. 100294, 2June2011	48567305
OPPTS 870.2600	AF-777 Powder: 1-Methylcyclopropene Local Lymph Node Assay (LLNA) in Mice, Study No. 100296, 25May2011	48567306
N/A	AF-777: Rationale for Waiver of Acute Oral Toxicity Study with the Northern Bobwhite Quail, Study No. NS00037, 01Aug2011	48567307
N/A	AF-777: Rationale for Waiver of Acute Toxicity Test with the Rainbow Trout (<i>Oncorhynchus mykiss</i>), Study No. NS00039, 01Aug2011	48567308
N/A	AF-777: Rationale for Waiver of Acute Immobilization Test with the Cladoceran (<i>Daphnia magna</i>), Study No. NS00040, 01Aug2011	48567309
N/A	AF-777: Rationale for Waiver of Dietary Toxicity Study with the Northern Bobwhite Quail, Study No. NS00041, 01Aug2011	48567310
OPPTS Product Chemistry Group A	AF-777 1-Methylcyclopropene Formulation: Product Chemistry Group A, Study No. AF-11-097, 08Aug2011	48567311
OPPTS Product Chemistry Group B Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of AF-777 1- Methylcyclopropene Formulation, Study No. AF-11- 098, 05Aug2011		48567312

A B670 is described as a new product; registered source of active ingredient; all Tier I data for product chemistry, toxicology, non-target organisms, and product performance must be addressed with product specific data or with request for data waivers supported by scientific rationales.

These products are not substantially similar (100% re-packs). This checklist is for Biochemical Pesticides data requirements, it is not for Microbial Pesticides data requirement

End Use Product (EP) data for must be submitted on all product chemistry data for each proposed product.

Guideline	Product Chemistry Data Study Title		EP Data Submitted/ Cited	
No.			No	
880.1100	Product Identity & Composition	X		
880.1200	Description of starting materials production and formulation process.	X		
880.1400	Discussion on the formation of impurities	X		
830.1700	Preliminary analysis	×		
830.1750	Certified limits (158.345)	X		
830.1800	Enforcement analytical method	X		
830.6302	Color	X		
830.6303	Physical State	X,		
830.6304	Odor	X		
830.6315	Flammability		X	
830.6317	Storage stability	1		
830.6319	Miscibility		X	
830.6320	Corrosion Characteristics	X		
830.7000	рН	X		
830.7100	Viscosity			
830.7300	Density	Y		

Data Matrix mentions



New products must either: 1) supply the product specific acute toxicity data (listed below), or 2) provide a bridging rationale document or a waiver request with a rationale.

End-use product Toxicity Data Requirements

Guideline No.	Acute toxicity (6 pack)	Data submitted		Clied		Waiver Request Rationale	
	Study Title	Yes	No	Yes	No	Yes	No
870.1100	Acute Oral (LD50)	X		-/		X	
870.1200	Acute Dermal (LD50)	X					

870.1300	Acute Inhalation (LC50)	\times		
870.2400	Acute Eye Irritation	\times		
870.2500	Acute Dermal Irritation	\times		
870.2600	Dermal Sensitization	×		

Efficacy – Whether or not these data are submitted depends on the proposed label use (ex.: public health pests). Studies are conducted on the end-use product.

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164



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Certification with Respect to C	Citation of Data				
Applicant's/Registrant's Name, Address, and Telephone Number AgroFresh, Inc. a Rohm and Haas Co. 727 Norristown Rd, Spring House, PA 1947	7 215-619-55 34	EPA Registration Number/File Symbol 71297 - RN			
Active ingredient(s) and/or representative test compound(s) 1-methylcyclopropene		Date August 5, 2011			
General Use Pattem(s) (list_all those claimed for this product using 40 CFR Part 158) Agricultural crops, post harvest, indoor use	;	Product Name SmartFresh ProTabs			
.NOTE: If your product is a 100% repackaging of another purchased EPA-registere submit this form. You must submit the Formulator's Exemption Statement (EPA Form		r all the same uses on your label, you do not need to			
I am responding to a Data-Call-In Notice, and have included with this form a be used for this purpose).	list of companies se	nt offers of compensation (the Data Matrix form should			
SECTION I: METHOD OF DATA SUPP	ORT (Check one m	ethod only)			
t am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	under the	the selective method of support (or cite-all option selective method), and have included with this form a list of data requirements (the Data Matrix form must be			
SECTION II: GENERAL (OFFER TO PAY				
Required if using the cite-all method or when using the cite-all option under the select I hereby offer and agree to pay compensation, to other persons, with regard to					
SECTION III: CERTI	FICATION				
I certify that this application for registration, this form for reregistration, or the application for registration, the form for reregistration, or the Data-Call-In response. In indicated in Section I, this application is supported by all data in the Agency's files that substantially similar product, or one or more of the ingredients in this product; and (2) is requirements in effect on the date of approval of this application if the application soughtees.	addition, if the cite-it (1) concern the pros a type of data that	all option or cite-all option under the selective method is perties or effects of this product or an identical or would be required to be submitted under the data			
I certify that for each exclusive use study cited in support of this registration the written permission of the original data submitter to cite that study.	or reregistration, the	at I am the original data submitter or that I have obtained			
certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public iterature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.					
I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.					
I certify that the statements I have made on this form and all attachm knowingly false or misleading statement may be punishable by fine or impriso	ents to it are true, nment or both und	accurate, and complete. I acknowledge that any ler applicable law.			
Signature	Date	Typed or Printed Name and Title Ann Beaulieu, Director, Regulatory Affairs			
An Beauliere	Aug 17, 2011	Will pagellian' billochol' (refinition) Vilalia			

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No./File Symbol 71297- esh TM ProTabs (AF-777)	Page 1
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Ann Beaulier

Name and Title:
Ann Beaulieu
Director, Regulatory Affairs

August 8, 2011

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washington, DC 20460. Do not sen	id the form to this address.				
	DATA MATRIX	(NEW STUD	IES)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-		Page 2
•	ddress: AgroFresh, Inc., a subsidiary of Rohm and Haas	Company	Product		
727 Norristown Road, PO Box	904, Spring House, PA 19477-0904	_	SmartFresh TM ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclopre	ppene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Carbone, J., AF-777: Rationale for Waiver of Dietary Toxicity Study with the Northern Bobwhite Quail, Study No. NS00041, 01Aug2011		AgroFresh, Inc. a Rohm and Haas Company	Own	
N/A	Carbone, J., AF-777: Rationale for Waiver of Acute Oral Toxicity Study with the Northern Bobwhite Quail, Study No. NS00037, 01Aug2011		AgroFresh, Inc. a Rohm and Haas Company	Own	
OPPTS Product Chemistry Group A	Jacobson, RM, Verona, D; AF-777 1- Methylcyclopropene Formulation: Product Chemistry Group A, Study No. AF-11-097, 08Aug2011		AgroFresh, Inc. a Rohm and Haas Company	Own	
OPPTS Product Chemistry Group B	Verona, D; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of AF-777 1- Methylcyclopropene Formulation, Study No. AF-11- 098, 05Aug2011		AgroFresh, Inc. a Rohm and Haas Company	Own	
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Signature			Name and Title:	Date	
Signature Be con	luce		Ann Beaulieu	August 8, 201	1

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Director, Regulatory Affairs



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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 1of 9
	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh TM ProTabs (AF-777)		1
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 151A-10	J. Daly; Product Identity and Disclosure of Ingredients for 1-MethylCyclopropene (MCP); BioTechnologies for Horticulture, Inc. (BTH) Document No. 1; 24Oct97.	445170-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151-10	B. Kourelis; Manufacturing Process for Methyl- Cyclopropene (MCP); BTH Document No. 2; Sep97.	444647-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
OPPTS 885.1200 (151-10) OPPTS 885.1500 (151-16)	A. Roberts; Manufacturing Process and Certified Limits for EthylBloc - Supplemental Data; BTH; 13Jan99.	44735401	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151A-12	J. Daly; Discussion of the Formation of Unintentional Ingredients in EthylBloc: Methylcyclopropene (MCP); BTH Document No. 3; Sep97.	445170-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151A-13	B. Kourelis; Preliminary Analysis of Methyl- cyclopropene (MCP); BTH Document No. 4; Nov97.	444647-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 152A-15	J. Daly; Certification of Ingredient Limits for Ethylbloc™; BTH Document No. 5; Nov97.	445170-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151-16	J. Daly; Analytical Method for Certified Limits of Methylcyclopropene (MCP); BTH Document No. 6; Oct97.	444647-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 63	J. Bennick; EthylBloe (MOP): Product Chemistry for	445170-04	AgroFresh, Inc. (formerly	Own	
Signature Jun Bear	elui		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 201	1

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 2of 9
	ddress: AgroFresh, Inc. a subsidiary of Rohm and Haas 04, Spring House, PA 19477-0904	Company	Product SmartFresh [™] ProTabs (AF-777)		A
Active Ingredient: 1-Methylcyclopro	ppene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Non-Combustible End-Use Solids; Stillmeadow Inc. Study No. 3454-97; 11Nov97.		BioTechnologies for Horticulture, Inc.)		
OPPTS 830	A. Roberts; Physical and Chemical Properties of EthylBloc - Part II; BTH; 27May98.	445676-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-10)	R. Pfeifer; MCP Acute Oral Toxicity Study; Toxikon Corp. Study No. 96G-2085; 31Dec96.	444647-04	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-11)	R. Pfeifer; MCP Acute Dermal Toxicity Study (Single Exposure); Toxikon Corp. Study No. 96G-2086; 30Jan97.	444647-05	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-12	J. Bennick; EthylBloc (MCP): Acute Inhalation Toxicity Study in Rats; Stillmeadow Inc. Study No. 3333-97; 10Sep97.	444647-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-13)	J. Prezioso; MCP Primary Eye Irritation Study; Toxikon Corp. Study No. 96G 2089; 13Dec96.	444647-07	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-14)	R. Pfeifer, MCP Primary Dermal Imitation Study; Toxikon Corp. Study No. 96G-2088; 13Dec96	444647-08	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-15	R. Pfeifer; MCP Buenler Sensitization Test; Toxilion	445170-05	AgroFresh, Inc. (formerly BioTechnologies for Horticulture,	Own	
Signature Ann Sea	ului		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 201	1

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 3of 9
	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh ^{IM} ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclop	oropene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Corp. Study No. 96G-2087; 31Dec96		Inc.)		
152-15	A. Roberts/TSG to D. Benmhend/EPA; 27May98; missing pages 29-42 for R. Pfeifer; MCP Buehler Sensitization Test; Toxikon Corp. Study No. 96G-2087; 31Dec96.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-16	J. Daly; Hypersensitivity Incidents Report for Methylcylcopropene (MCP); BTH Document No. 14; Oct97.	445170-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-16	A.Roberts/TSG to D. Benmhend/EPA; 27May98; corrected Statement of No Data Confidentiality Claims for J. Daly; Hypersensitivity Incidents Report for Methylcyclopropene (MCP); BTH Document No. 14; Oct97.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	J. Prezioso; MCP Salmonella Typhimurium Reverse Mutation Assay - FIFRA; Toxikon Corp. Study No. 96G-2139; 13Dec96.	444647-09	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	M. Cifone; Mutagenicity Test on MCP in the L5178Y TK +/- Mouse Lymphoma Forward Mutation Assay; Covance Study No. 18384-0-431; 10Jul97.	444647-10	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	J. Ivett; Mutagenicity Test on MCP in an In Vivo Mouse Micronucleus Assay; Covance Study No. 18384-0-455; 23May97	444647-11	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Not Applicable	G. Hazelton; Petition for an Exemption from the	Not Known	AgroFresh, Inc. (formerly	Own	Document
Signature Lu Li	Cerulusian Paper versione available. Submit only Paper versione available.		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20)11

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 4of 9
	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh TM ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Requirement of Tolerances for Residues of 1- Methylcyclopropene on Food Commodities; Report 00R-1012; 04Apr00		BioTechnologies for Horticulture, Inc.)		submitted to EPA 06Apr00
Not Applicable	S. Longacre; Rationale for Waivers of Study Requirements for Registration of 1- Methylcyclopropene on Post-Harvest Fruits and Vegetables; Report AGREG-00-02; 04Apr00	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
PR Notice 97-1	S. Longacre; 1-Methylcyclopropene on Post Harvest Fruits and Vegetables; An Assessment of the Risk Criteria Established in the Food Quality Protection Act [FQPA] Supporting an Exemption from the Requirement of Tolerances for BioTechnologies for Horticulture, Inc. Pesticide Petition - Unassigned (1-Methylcyclopropene on Post-Harvest Fruits and Vegetables); Report AGREG-00-01; 05Apr00	450896-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
Not Applicable	W.D. Shade; 1-Methylcyclopropene (1-MCP): Industrial Source Complex (ISCST3) Dispersion Modeling of Air Emissions from Controlled Atmosphere Facilities; Report 00R-1066; 17Jan01	453171-01	AgroFresh, Inc./Rohm and Haas Company	Оwп	Document submitted to EPA 29Jan01
152-10 (OPPTS 870.1100)	J. R. Parno, L. P. Craig, and S. L. Eberly: 1 Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Oral Toxicity Study in Male and Female Rats; Rohm and Haas Report 90R-199, 08Feb01	45380308	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
Signature Lee	rulien	•	Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	011

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Washington, DC 20460. Do not s	·				
	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 5of 9
•	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh TM ProTabs (AF-777)	
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
152-12 (OPPTS 870.1300)	J. S. Ferguson, L. P. Craig, and H. J. Bernacki; 1- Methylcyclopropene: Acute Inhalation Toxicity Study in Rats; Rohm and Haas Report 00R-180; 08Feb01	45380301	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
84-2 (OPPTS 870.5100)	P. J. O'Neill and C. B. Frederick; 1-Methyl-cyclopropene Vapor Released from 1-Methyl-cyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Salmonella typhimurium Gene Mutation Assay; Rohm and Haas Report 00R-193A; 27Feb01	45380302	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
84-2 (OPPTS 870.5300)	M. A. Cifone; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha- Cyclodextrin Complex (3.3% a.i.): CHO HGPRT Forward Mutation Assay with a Confirmatory Assay and Duplicate Cultures; Rohm and Haas Report 00RC-195; 27Mar01	45380303	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
84-2 (OPPTS 870.5375)	H. Murli; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Chromosomal Aberrations in Cultured Human Peripheral Blood Lymphocytes; In Vitro Cytogenetic Study in Human Lymphacytes; Rohm and Haas Report 00RC 194; 14MarCl	45380304	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
84-2 (OPPTS 870.5395)	J. L. Sames and C. B. Frederick, 1-Mathyl- cyclopropene: Micronucleus Assay in CD-1 Mouse Bone Marrow Cells; Rohm and Haas Report 00R- 232; 05Feb01	45380305	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
Signature Ann Bea	ului		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20)11

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 6of 9
• • •	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh [™] ProTabs (AF-777)	
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
None	J. S. Ferguson, L. P. Craig, and K. R. Lampe; 1- Methylcyclopropene Two-Week Inhalation Range- Finding Study in Female Rats; Rohm and Haas Report 00R-183A; 22Mar01	45380306	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
None	S. L. Longacre and G. A. Hazelton; 1-Methyl- cyclopropene (1-MCP) Dietary and Worker Risk Assessment; Rohm and Haas Report AGREG-01- 01; 05Apr01	45380307	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
171-4	D. J. Verona; 14C-1-Methylcyclopropene (1-MCP) Preliminary Results of 14C-Residues in Apples; Rohm and Haas Report TR 34-01-30; 05Apr01	45380309	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
Series 830 Group A	J. C. Crawford; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of 1-MCP Formulation; Rohm and Haas Report APR-01-068; 17May01	45458601	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
Series 830 Group A	W. Hu; GLP Validation of Test Method TM-2000- 245-01; Rohm and Haas Report APR-01-017; 19Mar01	45458602	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
Series 830 Group B	J. C. Crawford; Product Chemistly Selies 830 Group B: Physical and Chemistly Chalacteristics of 1-MCP Formulation; Rohm and Hads Report APR- 01-069; 27Apr01	45458603	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-11 (OPPTS 870.1200)	J. R. Pamo, L. P. Craig, and S. L. Eberly; 1- Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Dermal Toxicity Study in Male	45458604	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
Signature Lea	ulur		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	11

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 7of 9
	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh TM ProTabs (AF-777)	
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	and Female Rats; Rohm and Haas Report 00R-200; 08Feb01				
152-14 (OPPTS 870.2500)	J. R. Pamo, L. P. Craig, and S. L. Eberly; 1- Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Skin Irritation Study in Rabbits; Rohm and Haas Report 00R-201; 08Feb01	45458605	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-13 (OPPTS 870.2400)	J. R. Pamo, L. P. Craig, and S. L. Eberly; 1- Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Eye Irritation Study in Rabbits; Rohm and Haas Report 00R-202; 08Feb01	45458606	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-15 (OPPTS 870.2600)	J. R. Parno, D. M. Anderson, and T. L. Danberry; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Dermal Sensitization Study in Guinea Pigs - Maximization Test; Rohm and Haas Report 00R-203; 07Feb 01	45458607	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-23 (OPPTS 870.3700)	S. L. Wood, L. P. Craig, H. J. Bernacki, and T. L. Danbury; 1-Methylcuclopropene: Inhalation (Whole Body) Developmental Toxicity Study in Rats; Rohm and Haas Report OOR-181;	45458608	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
(OPPTS 870.3465)	J. S. Ferguson, E. M. Anderson, H. J. Bernacki, Jr.; 1-Methylcyclopropene: 3-month Inhalation (Whole Body) Toxicity Study in Rats; Rohm and Haas Report 00R-183; 19Oct01	45609001	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
171-4	D. Verona; C14-1-Methylcyclopropene (1-MCP) Apple Residue Study; Rohm and Haas Report AF-	45609002	Agrobresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
Signature An Bea	uluni		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	011

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pilicant's/Registrant's Name and Address: AgroFresh, Inc. a subsidiary of Rohm and Haas Company 7 Norristown Road, PO Box 904, Spring House, PA 19477-0904 tive Ingredient: 1-Methylcyclopropene ideline Reference Number 01-141; 12Dec01	Washington, DC 20460. Do not se	end the form to this address.				
pilicant's/Registrant's Name and Address: AgroFresh, Inc. a subsidiary of Rohm and Haas Company 7 Norristown Road, PO Box 904, Spring House, PA 19477-0904 tive Ingredient: 1-Methylcyclopropene ideline Reference Number 01-141; 12Dec01		DATA MATRIX (Previo	ously Submitt	ed Studies)		
7 Norristown Road, PO Box 904, Spring House, PA 19477-0904 SmartFresh ProTabs (AF-777) tive lagredient: 1-Methylcyclopropene MRID Number Submitter Status Note	Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 8of 9
MRID Number Submitter Status Note			Company			
Not Applicable B. A. Snyder, B. M. Stevens; Determination of 3-Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and Haas Report AF-01-143; 4Dec01 Not Applicable G. A. Hazelton; 1-Methylcyclopropene (1-MCP): Assessment of Worker and Consumer Risk; Rohm and Haas Report 01R-1071, 28Nov01 Not Applicable D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicityl, D50 in Rats. Study conducted using SmartFresh Tablets, Report No. 02RC-010, R. Jacobson; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of SmartFresh Tablet Formulation, Report AF-02-059 R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh SmartTabs Formulation and Activator Kit, Report AF-02-089 45609004 AgroFresh Inc.; a subsidiary of Rohm and Haas Company AgroFresh Inc., a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company	Active Ingredient: 1-Methylcyclop	ropene				
Not Applicable B. A. Snyder, B. M. Stevens; Determination of 3-Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and Haas Report AF-01-143; 4Dec01 Not Applicable G. A. Hazelton; 1-Methylcyclopropene (1-MCP): Assessment of Worker and Consumer Risk; Rohm and Haas Report AF-01-143; 4Dec01 Not Applicable D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicity/LD50 in Rats. Study conducted using SmartFresh™ Tablets, Report No. 02RC-010, R. Jacobson; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of SmartFresh™ Tablet Formulation, Report AF-02-059 R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh™ Tablet Formulation, Report AF-02-059 R. Jacobson, D. Secription and Composition of the SmartFresh™ Tablet Formulation and Activator Kit, Report AF-02-089 AgroFresh Inc.; a subsidiary of Cown Study submitted to EPA 14Dec0 AgroFresh Inc., a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company	Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and Haas Company Not Applicable G. A. Hazelton; 1-Methylcyclopropene (1-MCP): Assessment of Worker and Consumer Risk; Rohm and Haas Company Not Applicable D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicity/LD50 in Rats. Study conducted using SmartFresh Tablets, Report No. 02RC-010, R. Jacobson; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of SmartFresh Tablet Formulation, Report AF-02-054 R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh SmartTabs Formulation and Activator Kit, Report AF-02-089 Rohm and Haas Company AgroFresh Inc.; a subsidiary of Rohm and Haas Company AgroFresh Inc., a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company		01-141; 12Dec01				
Assessment of Worker and Consumer Risk; Rohm and Haas Company Not Applicable D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicity/LD50 in Rats. Study conducted using SmartFresh TM Tablets, Report No. 02RC-010, R. Jacobson; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh TM SmartTabs Formulation and Activator Kit, Report AF-02-089 AgroFresh Inc., a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company	Not Applicable	Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and	45609003		Own	Study submitted to EPA 14Dec01
Acute Oral Toxicity/L D50 in Rats. Study conducted using SmartFresh TM Tablets, Report No. 02RC-010, R. Jacobson; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of SmartFresh TM Tablet Formulation, Report AF-02-054 R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh TM SmartTabs Formulation and Activator Kit, Report AF-02-089 Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company Study submitted to EPA 21Jan03	Not Applicable	Assessment of Worker and Consumer Risk; Rohm	45609004		Own	Study submitted to EPA 14Dec01
A: Product Identity, Composition, and Analysis of SmartFresh TM Tablet Formulation, Report AF-02-054 R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh TM SmartTabs Formulation and Activator Kit, Report AF-02-089 AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company	Not Applicable	D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicity/LD50 in Rats. Study conducted using SmartFresh TM Tablets, Report No. 02RC-010,	45843902	AgroFresh Inc., a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03
830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation, Report AF-02-059 R. Jacobson; Description and Composition of the SmartFresh TM SmartTabs Formulation and Activator Kit, Report AF-02-089 to EPA 21Jan03 AgroFresh Inc. a subsidiary of Rohm and Haas Company AgroFresh Inc. a subsidiary of Rohm and Haas Company to EPA 21Jan03		A: Product Identity, Composition, and Analysis of SmartFresh TM Tablet Formulation, Report AF-02-	45843901		Own	Study submitted to EPA 21Jan03
SmartFresh [™] SmartTabs Formulation and Activator Kit, Report AF-02-089 to EPA 21Jan03		830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation,	45884101		Own	Study submitted to EPA 21Jan03
			45884102	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03
nature Name and Title: Date Ann Beaulieu, August 8, 2011		• •				
Ann Beaulieu, August 8, 2011	Signature	•			Date	
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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
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	Address: AgroFresh, Inc. a subsidiary of Rohm and Haas 904, Spring House, PA 19477-0904	Company	Product SmartFresh TM ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	Sutherland, C.A, et al, AFxRD-038: A 96-Hour Statis-Renewal Acute Toxicity Test with the Rainbow Trout (Oncorhynchus mykiss), Report No. 05RC-068, 17Feb06	47088610	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
850.1075	Drottar, K. R., et al, 1-Methylcyclopropene: A 96-Hour Statis-Renewal Acute Toxicity Test with the rainbow Trout (Oncorhynchus mykiss), Report No. 01RC-0001, 26Sep01	47024915	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
850.1010	Drottar, K. R., et al 1-Methylcycloprppene: A 48- Hour Static Acute Immobilization Test with the Cladoceran (Daphnia magna), Report No. 01RC- 0002, 26Sep01	47024914	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
850.1010	Sutherland, C.A, et al, AFxRD-038: A 48-Hour Static Acute Imobilization Test with the Cladoceran (Daphnia magna), Report No. 05RC-069, 17Feb06	47088609	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
850.2200	Gallagher, SP, Beavers, JB, AFxRD-038: A Dietary LC50 Study with the Northern Bobwhite, Report No. 05RC-072, 16Oct06	47024918	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
850.2100	Gallagher, SP, Beavers, JB, AFxRD-038: An Acute Oral Toxicity Study with the Northern Bobwhite, Report No. 05RC-071, 14Feb06	47024917	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
	•				
Signature Ann Beaulien		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 201	11	

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	D/	ATA MATRIX (NEW STUD	IES)	•	
Date August 8, 2011			EPA Reg. No./File Symbol 71297-		Page 1
-	d Address: AgroFresh, Inc., a subsidiary of Rox 904, Spring House, PA 19477-0904	Rohm and Haas Company	Product SmartFresh TM ProTabs (AF-777)		
Active Ingredient 1-Methylcyck	ppropene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			AgroFresh Inc. a Rohm and Haas Company	Own	
			AgroFresh Inc. a Rohm and Haas Company	Own	
			AgroFresh Inc. a Rohm and Haas Company	Own	
			AgroFresh Inc. a Rohm and Haas Company	Own	
			AgroFresh Inc. a Rohm and Haas Company	Own	
			AgroFresh Inc. a Rohm and Haas Company	Own	
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			AgroFresh, Inc. a Rohm and Haas Company	Own	
Signature Gen Bea	when	• • • • • • • • • • • • • • • • • • • •	Name and Title: Ann Beaulieu Director, Regulatory Affairs	Date August 8, 20)11



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		DATA MATRIX (NEW STUD	IES)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-		Page 2
, , , , , , , , , , , , , , , , , , , ,			Product SmartFresh TM ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			AgroFresh, Inc. a Rohm and Haas Company	Own	
			AgroFresh, Inc. a Rohm and Haas Company	Own	
	TE TEUR		AgroFresh, Inc. a Rohm and Haas Company	Own	
			AgroFresh, Inc. a Rohm and Haas Company	Own	
Signature Ann K	Searle		Name and Title: Ann Beaulieu Director, Regulatory Affairs	Date August 8, 20	011

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Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 1of 9
			Product SmartFresh TM ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		445170-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		44735401	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		445170-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		445170-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, 1ದೆc.)	Own	
		444647-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		445170-04	AgroFresh, inc. (formerly	Own	
Signature Ann Bean	lun		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20)11



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Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 2of 9
reprisented toglober to traine and real coor rigitor room, mor a caporatary or recinit and ridge company			Product SmartFresh ^{1M} ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BioTechnologies for Horticulture, Inc.)		
		445676-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-04	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-05	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-07	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-08	AgroFresht Inc. Tormerly BioTechnologies for Horticulture, Inc.)	Own	
		445170-05 •	BioTechnologies for Horticulture	Own	
Signature Sun Be	aulier		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	11

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	DATA MA	TRIX (Previously Submitt	ed Studies)		
Date August 8, 2011			EPA Reg. No./File Symbol 71297-X		Page 3of 9
	Address: AgroFresh, Inc. a subsidiary of R 904, Spring House, PA 19477-0904	ohm and Haas Company	Product SmartFresh [™] ProTabs (AF-777)		.
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Inc.)		
		Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		445170-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
-		444647-09	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
		444647-10	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	. Own	
		444647-11	AgroFrest Inc. Tformerly BioTechnologies for Florticulture, Inc.)	Own	
		Not Known	AgroFresh, Inc. (formerty	Own	Document
Signature Aus Beas	uleen'		Narge and Title: " " " " " " " " " " " " " " " " " " "	Date August 8, 20)11

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	Address: AgroFresh, Inc. a subsidiary of R 904, Spring House, PA 19477-0904	tohm and Haas Company	Product SmartFresh TM ProTabs (AF-777)			
Active Ingredient: 1-Methylcyclop	propene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
			BioTechnologies for Horticulture, Inc.)		submitted to EPA 06Apr00	
		Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00	
		450896-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00	
		453171-01	AgroFresh, Inc./Rohm and Haas Company	Own	Document submitted to EPA 29Jan01	
		45380308	AgroFresit, Ipc. a subsidiary of Rohm and Haas Corepany	Own	Study sub- mitted to EPA 06Apr01	
Signature Lim Le	anlen		Narne and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	011	

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			Product SmartFresh [™] ProTabs (AF-777)			
Active Ingredient: 1-Methylcyclop	propene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
		45380301	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380302	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380303	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380304	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380305	AgroFresis, Inc. a subsidiary of Rohm and Hans Gompany	Own	Study sub- mitted to EPA 06Apr01	
Signature Luc Se	conlien		Narpe and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	011	

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. a subsidiary of Rohm and Haas Company 727 Norristown Road, PO Box 904, Spring House, PA 19477-0904		Rohm and Haas Company	Product SmartFresh [™] ProTabs (AF-777))		
Active Ingredient: 1-Methylcyclo	propene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
		45380306	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380307	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45380309	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01	
		45458601	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01	
		45458602	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
		45458603	AgroFresh, Inc., a subsidiary of Rohm and Haas Corepany	Own	Study sub- mitted to EPA 28Jun01	
		45458604	AgroFresh, Jpc.; a subsidiary of Rollm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
Signature Sun Se	anleen		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20)11	

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Active Ingredient: 1-Methylcyclop	propene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
		45458605	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
		45458606	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
		45458607	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
		45458608	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01	
		45609001	AgroFrest Inc. a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01	
		45609002	AgroFresh Inc. a subsidiary of Rohm and Heas Gompany	Own	Study submitted to EPA 14Dec01	
Signature Ann L	7) Flectronic and Paper versions available. Sub		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	011	

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Active Ingredient: 1-Methylcyclo	propene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
		45609003	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01	
		45609004	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01	
		45843902	AgroFresh Inc., a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03	
		45843901	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03	
·		45884101	AgroFresh Inc. a subsidiary of Rohm and Haes Company	Own	Study submitted to EPA 21Jan03	
		45884102	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03	
Signature Au &	aulun	T	Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20)11	

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	Address: AgroFresh, Inc. a subsidiary of R 904, Spring House, PA 19477-0904	Rohm and Haas Company	Product SmartFresh [™] ProTabs (AF-777)		
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		47088610	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
		47024915	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
		47024914	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
		47088609	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
		47024918	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
		47024917	AgroFresh Inc. a subsidiary of Rohm and Haas Company	Own	
Signature Lus Le	oulee		Name and Title: Ann Beaulieu, Director, Regulatory Affairs	Date August 8, 20	11

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MASTER LABEL

SmartFreshTM ProTabs

A: SUBLABEL – COMMERCIAL LABEL FOR THE TREATMENT OF APPLES, MELONS, TOMATOES, PEARS, AVOCADOS, MANGOES, PAPAYAS, KIWIFRUIT, PEACHES, NECTARINES, PLUMS, APRICOTS, PLUMCOTS, ASIAN PEARS, BANANAS, BROCCOLI, AND PERSIMMONS

B: SUBLABEL – COMMERCIAL LABEL FOR THE TREATMENT OF APPLES, MELONS, TOMATOES, PEARS, AVOCADOS, KIWIFRUIT, PEACHES, NECTARINES, PLUMS, APRICOTS, PLUMCOTS, ASIAN PEARS, BANANAS, BROCCOLI, AND PERSIMMONS

ACTIVE INGREDIENT:

1-Methylcyclopropene	2.0%
OTHER INGREDIENTS	
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured by: AgroFresh Inc. A Subsidiary of Rohm and Haas Company 100 Independence Mall Philadelphia, PA 19106 1-215-592-3000



EPA Reg. No. 71297-EPA Est. No. 707-WA-001

Lot No.

110012

SmartFresh TM ProTabs	AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. 19106
	Tel: (215) 592-3000

Protects harvested fruit and vegetables from the various effects of ethylene.

Active Ingredient:

1-Methylcyclopropene	2.0%
Other Ingredients:	
Total:	100.0%

Keep Out Of Reach Of Children

CAUTION

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty days of purchase to the place of purchase.

	FIRST AID	
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. 	ion.
If on skin or	Take off contaminated clothing.	
clothing	 Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice 	•••
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue finsing Call a poison control center or doctor for treatment advice. 	g eye:
If swallowed	 Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. 	to
	Do not give anything by mouth to an unconscious person.	

HOTLINE 1-215-592-3000

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.

EPA REGISTRATION NO. 71297-EPA EST. NO. 707-WA-001

110012/20110020

Net Contents:

Yellow Tabs	Ounces	Grams									
1	0.15	4.2	11	1.6	46.2	61	9.0	256	71	10.5	298
2	0.30	8.4	12	1.8	50.4	62	9.2	260	72	10.7	302
3	0.44	12.6	13	1.9	54.6	63	9.3	265	73	10.8	307
4	0.59	16.8	14	2.1	58.8	64	9.5	269	74	11.0	311
5	0.74	21	15	2.2	63	65	9.6	273	75	11.1	315
6	0.89	25.2	16	2.4	67.2	66	9.8	277	76	11.3	319
7	1.0	29.4	17	2.5	71.4	67	9.9	281	77	11.4	323
8	1.2	33.6	18	2.7	75.6	68	10.1	286	78	11.6	328
9	1.3	37.8	19	2.8	79.8	69	10.2	290	79	11.7	332
10	1.5	42	20	3.0	84	70	10.4	294	80	11.9	336
			yellow Pro						e than 60 ye		abs:

Each activator is 0.06 ounces (1.6 grams).

Pink Tabs	Ounces	Grams												
1	0.03	0.84	6	0.18	5.0	11	0.33	9.2	16	0.47	13.4	21	0.62	17.6
2	0.06	1.6	7	0.21	5.9	12	0.36	10.1	17	0.50	14.3	22	0.65	18.5
3	0.09	2.5	8	0.24	6.7	13	0.39	10.9	18	0.53	15.1	23	0.68	19.3
4	0.12	3.4	9	0.27	7.6	14	0.41	11.8	19	0.56	16.0	24	0.71	20.2
5	0.15	4.2	10	0.30	8.4	15	0.44	12.6	20	0.59	16.8	25	0.74	21.0

Each package also contains 8 ProActivators. Each ProActivator is 0.06 ounces (1.6 grams).

Lot No.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing wapor. Wash thoroughly with soap and water after handling and before eating, drinking, thewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Thirty (30) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after thirty (30) minutes of ventilation using fans or other mechanical ventilating systems.

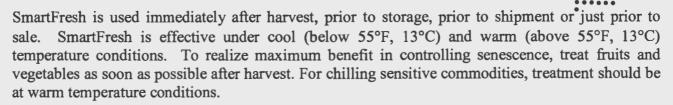
PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on apples
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealiness in apples
- Reducing chilling injury



Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

> 71297- SmartFresh™ ProTab August 3, 2011 Page 4 of 9

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

<u>Apples</u>: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching color stage 4:

Broccoli: Apply SmartFresh as soon after harvest as possible.

<u>Kiwifruit</u>: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

<u>Persimmons</u>: Apply SmartFresh as soon after harvest as possible.

Tomatoes: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

Pears, Asian pears: Apply SmartFresh as soon after harvest as possible.

<u>Peaches</u>, <u>nectarines</u>, <u>plums</u>, <u>plumcots</u>, <u>and apricots</u>: Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Application Method ano ate

Prior to application, ensure that the treatment area can be properly and promptly sealed following application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. There are three sizes of the release vessel, called SmartFresh ProPack. The small size contains 200 mL of solution; the medium size contains one (1) liter of solution; the large size contains four (4) liters of solution. When the entire content of a tablet pouch is added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Selection of the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length X width X height. For example, if the treatment space is 20 feet high x 40 feet long x 30 feet wide, the treatment volume would be $20 \times 40 \times 30 = 24,000$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Examples:
 - To treat 24,000 ft³ space of apples, divide 24,000 by 1350 and use seventeen (17) yellow ProTabs.
 - To treat a 4,300 ft³ space of tomatoes, divide 4,300 by 530 and use eight (8) pink ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Сгор	Rate One YELLOW* ProTab treats	Rate One PINK. ProTab treats
Apples, Asian Pear, Avocado, Broccoli	1350 ft ³ - 1800 ft ³	270 ft ³ - 360 ft ³
Pear	2100 ft ^{3 -} 4400 ft ³	420 ft ^{3 -} \$80.ft ³
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	2650 ft ³ 3000 ft ³	530 ft ^{3 -} 600 ft ³
Banana	1350 ft ³ – 5300 ft ³	270 ft ^{3 -} 1060 ft ³

^{*} It is better to use the YELLOW ProTabs in larger treatment spaces.

c.) Select the appropriate size number of SmartFresh ProPacks. Fr st results, for small spaces, use the pink ProTabs v. the small (200 mL) ProPack. No more an 25 pink ProTabs per ProPack. With yellow ProTabs use the medium (1 liter) ProPack. No more than 20 yellow ProTabs per medium ProPack. For larger spaces that require more than 60 yellow SmartFresh ProTabs use the large (4 liter) SmartFresh ProPack. No more than 80 yellow ProTabs per large ProPack.

SMALL (20 ProPac	,	MEDIUM (1 li ProPacks	,	LARGE (4 liter) ProPacks			
Number	Number	Number	Number	Number	Number		
PINK ProTabs	ProPacks	YELLOW ProTabs	ProPacks	YELLOW ProTabs	ProPacks		
1-25	1	1-20	1	61-80	1		

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluation of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition

No missing rubber No large cracks
No plastic slat doors No side doors

• Scrubbers and/or ozone generators are off

Step 3: Fill the treatment space with the fruit or vegetables to be treated

Step 4: Release of 1-MCP

- a) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.
- b) Remove the tear strip from the SmartFresh ProPack containing the SmartFresh ProSolution taking care not to spill the solution.
- c) Open the selected tablet package and add to the solution to achieve the desired dosage. Add the entire contents of the selected tablet package to the solution in the ProPack.
- d) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.
- e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh™ and ensure its maximum efficacy. The release of SmartFresh to the space will start several minutes after addition of the SmartFresh ProTabs to the SmartFresh ProSolution.

- f) Circulate the air in the ce by means of the internal air circul n system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
- h). For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Reentry to the Storage Space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of thirty minutes with continued full internal ventilation. After venting, the used SmartFresh ProSolution may be removed and disposed of as non-hazardous waste on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store in original packaging in a cool, dry place. Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

WARRANTY AND DISCLAIMER

AgroFresh Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. AgroFresh Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of AgroFresh Inc. and Seller. To the extent permitted by applicable law, risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. TO THE EXTENT PERMITTED BY APPLICABLE LAW, AgroFresh Inc. OR SELLER SHALL NOT BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

SmartFresh™ is a registered trademark of AgroFresh, Inc./Rohm and Haas company U.S. Patents 5,518,988, 6,017,849 and 6,762,153

AgroFresh Inc.
A Fully-Owned Subsidiary of Rohm and Haas Company
100 Independence Mall West, Philadelphia, PA. 19106 (215) 592-3000



SmartFreshTM ProTabs

A: SUBLABEL – COMMERCIAL LABEL FOR THE TREATMENT OF APPLES, MELONS, TOMATOES, PEARS, AVOCADOS, MANGOES, PAPAYAS, KIWIFRUIT, PEACHES, NECTARINES, PLUMS, APRICOTS, PLUMCOTS, ASIAN PEARS, BANANAS, BROCCOLI, AND PERSIMMONS

B: SUBLABEL – COMMERCIAL LABEL FOR THE TREATMENT OF APPLES, MELONS, TOMATOES, PEARS, AVOCADOS, KIWIFRUIT, PEACHES, NECTARINES, PLUMS, APRICOTS, PLUMCOTS, ASIAN PEARS, BANANAS, BROCCOLI, AND PERSIMMONS

ACTIVE INGREDIENT:

1-Methylcyclopropene	2.0%
OTHER INGREDIENTS	
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured by:
AgroFresh Inc.
A Subsidiary of Rohm and Haas Company
100 Independence Mall
Philadelphia, PA 19106
1-215-592-3000

EPA Reg. No. 71297-EPA Est. No. 707-WA-001

Lot No.



SmartFresh TM ProTabs	AgroFresh Inc. A subsidiary of Rohm and Haas company Philadelphia, PA. 19106 Tel: (215) 592-3000
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Protects harvested fruit and vegetables from the various effects of ethylene.

Active Ingredient:

Keep Out Of Reach Of Children

CAUTION

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty days of purchase to the place of purchase.

	FIRST AID	
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respin preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. 	ration,
If on skin or	Take off contaminated clothing.	
clothing	 Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice 	••••
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinse. Call a poison control center or doctor for treatment advice. 	sing eye.
If swallowed	 Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or d Do not give anything by mouth to an unconscious person. 	octor
	WOTE DIE	
	HOTLINE 1-215-592-3000	• • • •

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rohm and Haas, a Dow Chemical Company, at 215-592-3000 for emergency medical treatment information twenty four (24) hours a day, seven (7) days a week.

EPA REGISTRATION NO. 71297-EPA EST. NO. 707-WA-001

110012/20110020

Net Contents:

Yellow Tabs	Ounces	Grams									
1	0.15	4.2	11	1.6	46.2	61	9.0	256	71	10.5	298
2	0.30	8.4	12	1.8	50.4	62	9.2	260	72	10.7	302
3	0.44	12.6	13	1.9	54.6	63	9.3	265	73	10.8	307
4	0.59	16.8	14	2.1	58.8	64	9.5	269	74	11.0	311
5	0.74	21	15	2.2	63	65	9.6	273	75	11.1	315
6	0.89	25.2	16	2.4	67.2	66	9.8	277	76	11.3	319
7	1.0	29.4	17	2.5	71.4	67	9.9	281	77	11.4	323
8	1.2	33.6	18	2.7	75.6	68	10.1	286	78	11.6	328
9	1.3	37.8	19	2.8	79.8	69	10.2	290	79	11.7	332
10	1.5	42	20	3.0	84	70	10.4	294	80	11.9	336
-	-		yellow Pro				-		e than 60 ye		abs:

Each activator is 0.06 ounces (1.6 grams).

Pink Tabs	Ounces	Grams												
1	0.03	0.84	6	0.18	5.0	11	0.33	9.2	16	0.47	13.4	21	0.62	17.6
2	0.06	1.6	7	0.21	5.9	12	0.36	10.1	17	0.50	14.3	22	0.65	18.5
3	0.09	2.5	8	0.24	6.7	13	0.39	10.9	18	0.53	15.1	23	0.68	19.3
4	0.12	3.4	9	0.27	7.6	14	0.41	11.8	19	0.56	16.0	24	0.71	20.2
5	0.15	4.2	10	0.30	8.4	15	0.44	12.6	20	0.59	16.8	25	0.74	21.0

Each package also contains 8 ProActivators. Each ProActivator is 0.06 ounces (1.6 grams).

Lot No.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Safety glasses or goggles

Applicators and other handlers must follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

71297- SmartFresh™ ProTab August 3, 2011 Page 3 of 9 The requirements in this box ply to uses of this product that are within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Thirty (30) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after thirty (30) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.

PRODUCT INFORMATION

SmartFreshTM is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit and vegetables. By counteracting ethylene, SmartFresh provides many benefits to fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on apples
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealiness in apples
- Reducing chilling injury

SmartFresh is used immediately after harvest, prior to storage, prior to shipment or just prior to sale. SmartFresh is effective under cool (below 55°F, 13°C) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat fluits and vegetables as soon as possible after harvest. For chilling sensitive commodities, treatment should be at warm temperature conditions.

Harvested fruit and vegetables must be exposed to the volatile active ingredient of SmartFresh in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce SmartFresh effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

Fruit and Vegetable Storage Conditions

SmartFresh is compatible with and complementary to both controlled atmosphere and regular air fruit and vegetable storage conditions. SmartFresh must be used in air tight storage areas.

Timing of Application

SmartFresh is added to the storage area containing fruit or vegetables immediately after harvest, upon entering storage, during distribution or in transit. For best results on apple and pear, do not use with fruit previously treated with ethephon. After application, fruit or vegetables not for immediate sale must be stored according to good standard commercial practices. Fruit and vegetables may benefit from repeat application, such as when the crop has been exposed to ethylene. It must be emphasized that keeping the fruit and vegetables at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit and vegetables.

<u>Apples</u>: Apply SmartFresh soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply SmartFresh to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage. Make only one application to the same fruit.

Bananas: Apply SmartFresh after exposure to ethylene and prior to reaching color stage 4.

Broccoli: Apply SmartFresh as soon after harvest as possible.

Kiwifruit: Apply SmartFresh either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Melons: Apply SmartFresh as soon after harvest as possible.

Persimmons: Apply SmartFresh as soon after harvest as possible.

<u>Tomatoes</u>: Apply SmartFresh between color stage mature green (Color Stage 1) and light red (Color Stage 5).

<u>Pears, Asian pears</u>: Apply SmartFresh as soon after harvest as possible.

Peaches, nectarines, plums, plumcots, and apricots: Apply SmartFresh as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

•••••

Application Method and _ate

Prior to application, ensure that the treatment area can be properly and promptly sealed following application. SmartFresh ProTabs are packaged with the required SmartFresh ProActivators in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the SmartFresh ProPack. There are three sizes of the release vessel, called SmartFresh ProPack. The small size contains 200 mL of solution; the medium size contains one (1) liter of solution; the large size contains four (4) liters of solution. When the entire content of a tablet pouch is added to the solution in the appropriate SmartFresh ProPack, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both SmartFresh ProTabs and SmartFresh ProPacks available to treat the designated space.

Step 1: Selection of the appropriate number of SmartFresh ProTabs and size of ProPacks

- a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length X width X height. For example, if the treatment space is 20 feet high x 40 feet long x 30 feet wide, the treatment volume would be $20 \times 40 \times 30 = 24,000$ cubic feet.
- b.) Using the table below, choose the correct number of SmartFresh ProTabs according to the size of the space and the commodity to be treated. Examples:
 - To treat 24,000 ft³ space of apples, divide 24,000 by 1350 and use seventeen (17) yellow ProTabs.
 - To treat a 4,300 ft³ space of tomatoes, divide 4,300 by 530 and use eight (8) pink ProTabs.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.

Сгор	Rate One YELLOW* ProTab treats	Rate One PINK. ProTab treats	
Apples, Asian Pear, Avocado, Broccoli	1350 ft ³ - 1800 ft ³	270 ft ³ - 360 ft ³	
Pear	2100 ft ^{3 -} 4400 ft ³	420 ft ³ 880 ft ³	
Apricot, Kiwifruit, Melon, Nectarine, Plum, Plumcot, Peach, Persimmon, Tomato	2650 ft ^{3 -} 3000 ft ³	530 ft ^{3 -} 600 ft ³	
Banana	1350 ft ³ - 5300 ft ³	270 ft ^{3 -} 1060 ft ³	

^{*} It is better to use the YELLOW ProTabs in larger treatment spaces.

c.) Select the appropriate size number of SmartFresh ProPacks. Fr st results, for small spaces, use the pink ProTabs v. the small (200 mL) ProPack. No more than 25 pink ProTabs per ProPack. With yellow ProTabs use the medium (1 liter) ProPack. No more than 20 yellow ProTabs per medium ProPack. For larger spaces that require more than 60 yellow SmartFresh ProTabs use the large (4 liter) SmartFresh ProPack. No more than 80 yellow ProTabs per large ProPack.

SMALL (20	0 mL)	MEDIUM (1 liter)		LARGE (4 liter)	
ProPac	ProPacks ProPacks		ProPacks		
Number	Number	Number	Number	Number	Number
PINK ProTabs	ProPacks	YELLOW ProTabs	ProPacks	YELLOW ProTabs	ProPacks
1-25	1	1-20	1	61-80	1

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one correspondingly sized SmartFresh ProPack.

Step 2: Evaluation of the Quality of the Treatment Room / Trailer / Container

To be used with SmartFresh, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

Check that:

- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition

No missing rubber

No large cracks

No plastic slat doors

No side doors

- Scrubbers and/or ozone generators are off
- Step 3: Fill the treatment space with the fruit or vegetables to be treated

Step 4: Release of 1-MCP

a) In the treatment space, find a solid surface to place the required SmartFresh ProPacks.

b) Remove the tear strip from the SmartFresh ProPack containing the SmartFresh ProSolution taking care not to spill the solution.

c) Open the selected tablet package and add to the solution to achieve the desired dosage. Add the entire contents of the selected tablet package to the solution in the ProPack.....

d) Repeat with additional ProPacks and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.

e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFreshTM and ensure its maximum efficacy. The release of SmartFresh to the space will start several minutes after addition of the SmartFresh ProTabs to the SmartFresh ProSolution.

- f) Circulate the air in the se by means of the internal air circul system for AT LEAST one (1) hour.
- g) For best results, do not open the doors for AT LEAST twelve (12) hours for avocado, banana, broccoli, kiwifruit, melon, persimmon and tomato, fifteen (15) hours for Asian pear, twenty four (24) hours for apple, nectarine, peach, pear, plum, plumcot and apricot.
- h). For best results, for controlled atmosphere storage containers or storage rooms, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

Step 5: Reentry to the Storage Space

Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of thirty minutes with continued full internal ventilation. After venting, the used SmartFresh ProSolution may be removed and disposed of as non-hazardous waste on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the SmartFresh application.

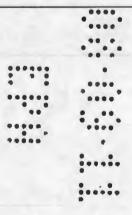
STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.



WARRANTY AND DISCLAIMER

AgroFresh Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. AgroFresh Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of AgroFresh Inc. and Seller. To the extent permitted by applicable law, risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. TO THE EXTENT PERMITTED BY APPLICABLE LAW, AgroFresh Inc. OR SELLER SHALL NOT BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

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